Service
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CCA092AT, CCA132AT, CCA134AT, CCA191AT, CCA192AT, CCA193AT, CCA194AT, CCA252AT, CCA254AT, CCA255AT

ServiceManual

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MODEL	MARK
CCA132	A
CCA191	B
CCA192	C
CCA134	D
CCA194	E
CCA092	F
CCA252	G
CCA254	H
CCA255	I
CCA193	J

IMPORTANT SAFETY NOTICE

Proper service and repair is important to the safe, reliable operation of all Philips Consumer Electronics Company** Equipment. The service procedures recommended by Philips and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various **CAUTIONS** and **NOTICES** which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It also is important to understand that these **CAUTIONS** and **NOTICES ARE NOT EXHAUSTIVE**. Philips could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done, or of the possible hazardous consequences of each way. Consequently, Philips has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by Philips must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

** Hereafter throughout this manual, Philips Consumer Electronics Company will be referred to as Philips.

WARNING

Critical components having special safety characteristics are identified with a ⚠ or "S" by the Ref. No. in the parts list and enclosed within a broken line* (where several critical components are grouped in one area) along with the safety symbol ⚠ on the schematics or exploded views. Use of substitute replacement parts which do not have the same specified safety characteristics may create shock, fire, or other hazards. Under no circumstances should the original design be modified or altered without written permission from Philips. Philips assumes no liability, express or implied, arising out of any unauthorized modification of design. Servicer assumes all liability.

*** Broken Line ____ _ ____ _ ____ _ ____**

FIRE AND SHOCK HAZARD

1. Be sure all components are positioned in such a way as to avoid the possibility of adjacent component shorts. This is especially important on those chassis which are transported to and from the service shop.

2. Never release a repaired unit unless all protective devices such as insulators, barriers, covers, strain reliefs, and other hardware have been installed in accordance with the original design.

3. Soldering and wiring must be inspected to locate possible cold solder joints, solder splashes, sharp solder points, frayed leads, pinched leads, or damaged insulation (including the ac cord). Be certain to remove loose solder balls and all other loose foreign particles.

4. Check across-the-line components and other components for physical evidence of damage or deterioration and replace if necessary. Follow original layout, lead length, and dress.

5. No lead or component should touch a receiving tube or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces or edges must be avoided.

6. Critical components having special safety characteristics are identified with an **'S'** by the Ref. No. in the parts list and enclosed within a broken line* (where several critical components are grouped in one area) along with the safety symbol ⚠ on the schematic diagrams and /or exploded views.

7. When servicing any unit, always use a separate isolation transformer for the chassis. Failure to use a separate isolation transformer may expose you to possible shock hazard, and may cause damage to servicing instruments.

8. Many electronic products use a polarized ac line cord (one wide pin on the plug). Defeating this safety feature may create a potential hazard to the servicer and the user. Extension cords which do not incorporate the polarizing feature should never be used.

9. After reassembly of the unit, always perform an ac leakage test or resistance test from the line cord to all exposed metal parts of the cabinet. Also, check all metal control shafts (with knobs removed), antenna terminals, handles, screws, etc., to be sure the unit may be safely operated without danger of electrical shock.

*** Broken line ____ _ ____ _ ____ _ ____**

LEAKAGE CURRENT COLD CHECK

1. Unplug the ac line cord and connect a jumper between the two prongs of the plug.

2. Turn on the power switch.

3. Measure the resistance value between the jumpered ac plug and all exposed cabinet parts of the receiver, such as screw heads, antennas, and control shafts. When the exposed metallic part has a return path to the chassis, the reading should be between 1 megohm and 5.2 megohms. When the exposed metal does not have a return path to the chassis, the reading must be infinity. Remove the jumper from the ac line cord.

LEAKAGE CURRENT HOT CHECK

1. Do not use an isolation transformer for this test. Plug the completely reassembled receiver directly into the ac outlet.

2. Connect a 1.5k, 10W resistor paralleled by a 0.15uF. capacitor between each exposed metallic cabinet part and a good earth ground such as a water pipe, as shown below.

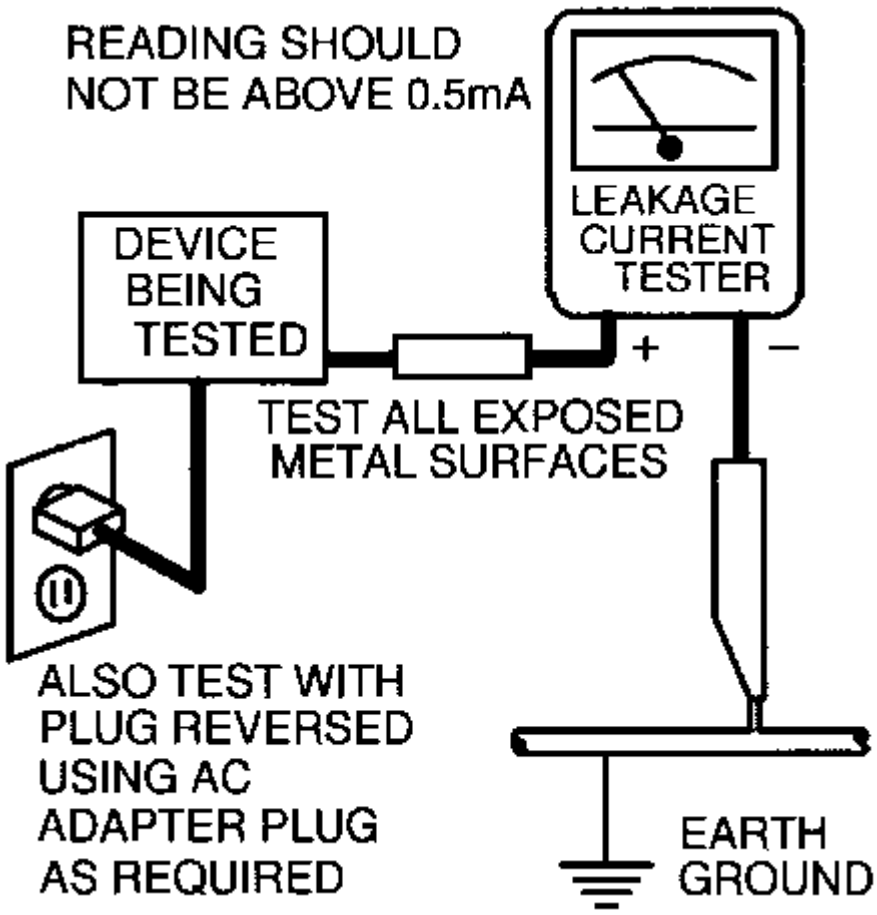
3. Use an ac voltmeter with at least 5000 ohms/volt sensitivity to measure the potential across the resistor.

4. The potential at any point should not exceed 0.75 volts. A leakage current tester may be used to make this test; leakage current must not exceed 0.5mA. If a measurement is outside of the specified limits, there is a possibility of shock hazard. The receiver should be repaired and rechecked before returning it to the customer.

5. Repeat the above procedure with the ac plug reversed. (Note: An ac adapter is necessary when a polarized plug is used. Do not defeat the polarizing feature of the plug.)

OR

With the instrument completely reassembled, plug the ac line cord directly into a 120Vac outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1410, (50.7). With the instrument ac switch first in the on position and then in the off position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinet, screw heads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5mA. Reverse the instrument power cord plug in the outlet and repeat the test. See the graphic below.


READING SHOULD
NOT BE ABOVE 0.5mA
LEAKAGE
CURRENT
TESTER
DEVICE
BEING
TESTED
+
–
TEST ALL EXPOSED
METAL SURFACES
ALSO TEST WITH
PLUG REVERSED
USING AC
ADAPTER PLUG
AS REQUIRED
EARTH
GROUND

TV-VCR SAFETY NOTES

SAFETY PRECAUTIONS FOR TV CIRCUITS

1. Before returning an instrument to the customer, always make a safety check of the entire instrument, including, but not limited to, the following items:

   a. Be sure that no built-in protective devices are defective or have been defeated during servicing. Protective shields are provided on this chassis to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience. When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including but not limited to, nonmetallic control knobs, insulating fishpapers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning. Servicers who defeat safety features or fail to perform safety checks may be liable for any resulting damage.

   b. Be sure that there are no cabinet openings through which an adult or child might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, (1) spacing between the picture tube and the cabinet mask, (2) excessively wide cabinet ventilation slots, and (3) an improperly fitted and/or incorrectly secured cabinet back cover.

   c. Do a leakage current check.

   ANY MEASUREMENTS NOT WITHIN THE LIMITS SPECIFIED HEREIN INDICATE A POTENTIAL SHOCK HAZARD THAT MUST BE ELIMINATED BEFORE RETURNING THE INSTRUMENT TO THE CUSTOMER OR BEFORE CONNECTING THE ANTENNA OR ACCESSORIES.

   d. **X-Radiation and High Voltage Limits** - Because the picture tube is the primary potential source of X-radiation in solid-state TV receivers, it is specially constructed to prohibit X-radiation emissions. For continued X-radiation protection, the replacement picture tube must be the same type as the original. Also, because the picture tube shields and mounting hardware perform an X-radiation protection function, they must be correctly in place. High voltage must be measured each time servicing is performed that involves B+, horizontal deflection or high voltage. Correct operation of the X-radiation protection circuits also must be reconfirmed each time they are serviced. (X-radiation protection circuits also may be called "horizontal disable" or "hold down.") Read and apply the high voltage limits and, if the chassis is so equipped, the X-radiation protection circuit specifications given on instrument labels and in the Product Safety and X-Radiation Warning note on the service data chassis schematic. High voltage is maintained within specified limits by close tolerance safety-related components/adjustments in the high-voltage circuit. If high voltage exceeds specified limits, check each component specified on the chassis schematic and take corrective action.

2. Read and comply with all caution and safety-related notes on or inside the receiver cabinet, on the receiver chassis, or on the picture tube.

3. **Design Alteration Warning** - Do not alter or add to the mechanical or electrical design of this TV receiver. Design alterations and additions, including, but not limited to circuit modifications and the addition of items such as auxiliary audio and/or video output connections, might alter the safety characteristics of this receiver and create a hazard to the user. Any design alterations or additions will void the manufacturer's warranty and may make you, the servicer, responsible for personal injury or property damage resulting therefrom.

4. **Picture Tube Implosion Protection Warning** - The picture tube in this receiver employs integral implosion protection. For continued implosion protection, replace the picture tube only with one of the same type number. Do not remove, install, or otherwise handle the picture tube in any manner without first putting on shatterproof goggles equipped with side shields. People not so equipped must be kept safely away while picture tubes are handled. Keep the picture tube away from your body. Do not handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; because of potential hazard, do not try to remove such "permanently attached" yokes from the picture tube.

5. **Hot Chassis Warning**

   a. Some TV receiver chassis are electrically connected directly to one conductor of the ac power cord and may be serviced safely without an isolation transformer only if the ac power plug is inserted so that the chassis is connected to the ground side of the ac power source. To confirm that the ac power plug is inserted correctly, with an ac voltmeter, measure between the chassis and a known earth ground. If a voltage reading in excess of 1.OV is obtained, remove and reinsert the ac power plug in the opposite polarity and again measure the voltage potential between the chassis and a known earth ground.

   b. Some TV receiver chassis normally have 85Vac (RMS) between chassis and earth ground regardless of the ac plug polarity. This chassis can be safety-serviced only with an isolation transformer inserted in the power line between the receiver and the ac power source, for both personnel and test equipment protection. Some TV receiver chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the ac power line. The two ground systems are electrically separated by insulation material that must not be defeated or altered.

6. Observe original lead dress. Take extra care to assure correct lead dress in the following areas: **a.** near sharp edges, **b.** near thermally hot parts - be sure that leads and components do not touch thermally hot parts, **c.** the ac supply, **d.** high voltage, and **e.** antenna wiring. Always inspect in all areas for pinched, out of place, or frayed wiring. Check ac power cord for damage.

7. Components, parts, and/or wiring that appear to have overheated or are otherwise damaged should be replaced with components, parts, or wiring that meet original specifications. Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.

PRECAUTIONS DURING SERVICE

A. Parts identified by the ⚠ symbol are critical for safety. Replace only with part number specified.

B. In addition to safety, other parts and assemblies are specified for conformance with regulations applying to spurious radiation. These must also be replaced only with specified replacements.
Examples: RF converters, RF cables, noise blocking capacitors, and noise blocking filters, etc.

C. Use specified internal wiring. Note especially:
1) Wires covered with PVC tubing
2) Double insulated wires
3) High voltage leads

D. Use specified insulating materials for hazardous live parts. Note especially:
1) Insulation Tape
2) PVC tubing
3) Spacers
4) Insulators for transistors

E. When replacing ac primary side components (transformers, power cord, etc.), wrap ends of wires securely about the terminals before soldering.

F. Observe that the wires do not contact heat producing parts (heat sinks, oxide metal film resistors, fusible resistors, etc.)

G. Check that replaced wires do not contact sharp edged or pointed parts.

H. When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

I. Also check areas surrounding repaired locations.

J. Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.

K. **Crimp type wire connector**
When replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, in order to prevent shock hazards, perform carefully and precisely the following steps.
Replacement procedure
1) Remove the old connector by cutting the wires at a point close to the connector. **Important:** Do not re-use a connector (discard it).
2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.
3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.
4) Use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

L. When connecting or disconnecting the VCR connectors, first disconnect the ac plug from the ac supply socket.

SAFETY CHECK AFTER SERVICING

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following test and confirm the specified values in order to verify compliance with safety standards.

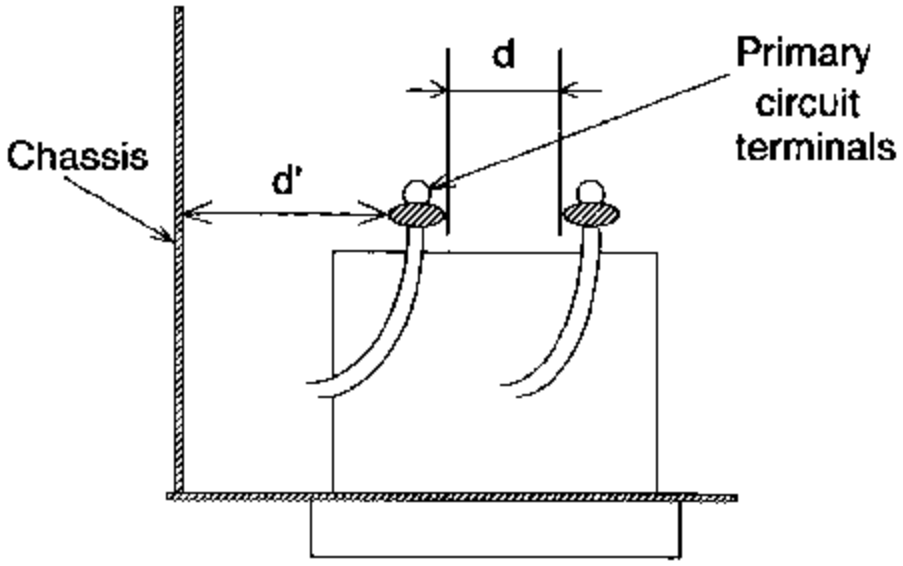
Clearance Distance

When replacing primary circuit components, confirm specified clearance distance (d) and (d') between soldered terminals, and between terminals and surrounding metallic parts. See the graphic below.

Table 1: Ratings for selected area

AC Line Voltage	**Region**	**Clearance Distance** (d) (d')
110 to 130 V	USA or CANADA	> 3.2 mm (0.126 inches)

Note: This table is unofficial and for reference only. Be sure to confirm the precise values.



SAFETY CHECKS

After the original service problem has been corrected, a complete safety check should be made. Be sure to check over the entire set, not just the areas where you have worked. Some previous servicer may have left an unsafe condition, which could be unknowingly passed on to your customer. Be sure to check all of the following:

Fire and Shock Hazard
Implosion
X-Radiation
Leakage Current Cold Check
Leakage Current Hot Check
Picture Tube Replacement
Parts Replacement

WARNING: Before removing the CRT anode cap, turn the unit OFF and short the HIGH VOLTAGE to the CRT DAG ground.

SERVICE NOTE: The CRT DAG is not at chassis ground.

IMPLOSION

1. All picture tubes used in current model receivers are equipped with an integral implosion system. Care should always be used, and safety glasses worn, whenever handling any picture tube. Avoid scratching or otherwise damaging the picture tube during installation.

2. Use only replacement tubes specified by the manufacturer.

X-RADIATION

1. Be sure procedures and instructions to all your service personnel cover the subject of X-radiation. Potential sources of X-rays in TV receivers are the picture tube and the high voltage circuits. The basic precaution which must be exercised is to keep the high voltage at the factory recommended level.

2. To avoid possible exposure to X-radiation and electrical shock, only the manufacturer's specified anode connectors must be used.

3. It is essential that the service technician has an accurate HV meter available at all times. The calibration of this meter should be checked periodically against a reference standard.

4. When the HV circuitry is operating properly there is no possibility of an X-radiation problem. High voltage should always be kept at the manufacturer's rated value - no higher - for optimum performance. Every time a color set is serviced, the brightness should be run up and down while monitoring the HV with a meter to be certain that the HV is regulated correctly and does not exceed the specified value. We suggest that you and your technicians review test procedures so that HV and HV regulation are always checked as a standard servicing procedure, and the reason for this prudent routine is clearly understood by everyone. It is important to use an accurate and reliable HV meter. It is recommended that the HV reading be recorded on each customer's invoice, which will demonstrate a proper concern for the customer's safety.

5. When troubleshooting and making test measurements in a receiver with a problem of excessive high voltage, reduce the line voltage by means of a Variac to bring the HV into acceptable limits while troubleshooting. Do not operate the chassis longer than necessary to locate the cause of the excessive HV.

6. New picture tubes are specifically designed to withstand higher operating voltages without creating undesirable X-radiation. It is strongly recommended that any shop test fixture which is to be used with the new higher voltage chassis be equipped with one of the new type tubes designed for this service. Addition of a permanently connected HV meter to the shop test fixture is advisable. The CRT types used in these new sets should never be replaced with any other types, as this may result in excessive X-radiation.

7. It is essential to use the specified picture tube to avoid a possible X-radiation problem.

8. Most TV receivers contain some type of emergency "Hold Down" circuit to prevent HV from rising to excessive levels in the presence of a failure mode. These various circuits should be understood by all technicians servicing them, especially since many hold down circuits are inoperative as long as the receiver performs normally.

PICTURE TUBE REPLACEMENT

The primary source of X-radiation in this television receiver is the picture tube. The picture tube utilized in this chassis is specially constructed to limit X-radiation emissions. For continued X-radiation protection, the replacement tube must be the same type as the original, including suffix letter, or a Philips approved type.

PARTS REPLACEMENT

Many electrical and mechanical parts in Philips television sets have special safety related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. The use of a substitute part which does not have the same safety characteristics as the Philips recommended replacement part shown in this service manual may create shock, fire, or other hazards.

PRODUCT SAFETY GUIDELINES FOR ALL PRODUCTS

CAUTION: Do not modify any circuit. Service work should be performed only after you are thoroughly familiar with all of the following safety checks. Risk of potential hazards and injury to the user increases if safety checks are not adhered to.

USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING.

PREVENTION OF ELECTROSTATIC DISCHARGE (ESD)

Some semiconductor solid state devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices, Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.

4. Use only an anti-static solder removal device. Some solder removal devices not classified as "antistatic (ESD protected)" can generate an electrical charge sufficient to damage ES devices.

5. Do not use Freon propelled chemicals. These can generate electrical charges sufficient to damage ES devices.

6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it (most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).

7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your feet from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device.)

NOTE to CATV system Installer:
This reminder is provided to call the CATV system installer's attention to article 820-22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

PRACTICAL SERVICE PRECAUTIONS

IT MAKES SENSE TO AVOID EXPOSURE TO ELECTRICAL SHOCK. While some sources are expected to have a possible dangerous impact, others of quite high potential are of limited current and are sometimes held in less regard.

ALWAYS RESPECT VOLTAGES. While some may not be dangerous in themselves, they can cause unexpected reactions – reactions that are best avoided. Before reaching into the powered color TV set, it is best to test the high voltage insulation. It is easy to do, and is just a good service precaution.

BEFORE POWERING UP THE TV WITH THE BACK OFF (or on a test fixture), attach a clip lead to the CRT DAG ground and to a screwdriver blade that has a well insulated handle. After the TV is powered on and high voltage has developed, probe the anode lead with the blade, starting at the bottom of the High Voltage Transformer (flyback – IFT). Move the blade to within two inches of the connector of the CRT. **IF THERE IS AN ARC, YOU FOUND IT THE EASY WAY, WITHOUT GETTING A SHOCK!** If there is an arc to the screwdriver blade, replace the High Voltage Transformer or the lead, (if removable) whichever is causing the problem.

PICTURE TUBE REPLACEMENT PROCEDURE

Note: a. Two (2) people are required to handle this picture tube.
b. Safety Glasses must be worn during this procedure or whenever directly handling a picture tube.
c. Take care in each step not to damage the CRT or the cabinet.

1. Remove the Chassis and the CRT Socket Board Module from the cabinet.
2. A furniture pad or blanket should be positioned on the floor to support only the CRT Face. This pad or blanket should be high enough to keep the CRT Face approximately 12 to 14 inches off the floor.
3. Using two people, place the cabinet in a front down position with the CRT Face on the pad or blanket.
4. Place padded blocks under each corner of the cabinet to keep it from rocking.
5. Remove the four screws, at the corners of the CRT.
6. With two people lowering the cabinet to the floor, leave the CRT elevated by the pad or blanket.

Note: Take care not to grasp the neck of the CRT during this procedure, as it is extremely fragile.

7. Two (2) people may then lift the CRT from the cabinet.
8. Remove the degaussing coil from the defective CRT and mount on the replacement. Take care to maintain the exact shape and fit.

To install the new CRT, reverse steps 1 to 7.

SPECIFICATIONS (CCA092)

* Mode: SP mode unless otherwise specified
* Test input terminal <Except Tuner>: Video input (1Vp-p) Audio input (-10dB)
<Tuner> Ant. input (80dBmV) Video: 87.5%
Audio: 25kHz dev (1kHz Sin)

Note: Nominal specifications represent the design specifications. All units should be able to approximate these. Some will exceed and some may drop slightly below these specifications. Limit specifications represent the absolute worst condition that still might be considered acceptable. In no case should a unit fail to meet limit specifications.

<DEFLECTION>

Description	Condition	Unit	Nominal	Limit
1. Over Scan	—	%	90	—
2. Linearity	Horizontal	%	—	12
	Vertical	%	—	10
3. High Voltage	—	kV	18	—

<VIDEO & CHROMA>

Description	Condition	Unit	Nominal	Limit
1. Misconvergence	Center	m/m	—	0.3
	Corner	m/m	—	1.5
	Side	m/m	—	1.2
2. Tint Control Range	—	deg	25	—
3. Contrast Control Range	—	dB	6	4
4. Brightness	APL 100%	fl-L	30	20
5. Color Temperature	—	K	9200-20MPCD	—

<VCR>

Description	Condition	Unit	Nominal	Limit
1. Horizontal Resolution	(R/P)	Line	230	200
2. Jitter (Low)	(R/P)	mS	0.05	0.2
3. S/N Chroma AM (SP)	(R/P)	dB	38	33
PM (SP)	(R/P)	dB	36	33
4. Wow & Flutter (RMS)	(R/P)	%	0.25	0.5

<TUNER>

Description	Condition	Unit	Nominal	Limit
1. Video S/N	—	dB	45	40
2. Audio S/N (W/LPF)	—	dB	43	40

<AUDIO>

All items are measured across 8W resistor at speaker output terminal.

Description	Condition	Unit	Nominal	Limit
1. Audio Output Power (Max.)	(R/P)	W	0.8	0.6
2. Audio S/N (W/LPF)	(R/P)	dB	42	38
3. Audio Distortion (W/LPF)	(R/P)	%	3.0	5.0
4. Audio Freq. Response (-10dB Ref. 1KHz)	200Hz (R/P)8kHz (R/P)	dBdB	-2.00	-2.0 5.00 6.0

SPECIFICATIONS (CCA191, 192)

* Mode: SP mode unless otherwise specified
* Test input terminal <Except Tuner>: Video input (1Vp-p) Audio input (-10dB)
<Tuner> Ant. input (80dBmV) Video: 87.5%
Audio: 25kHz dev (1kHz Sin)

Note: Nominal specifications represent the design specifications. All units should be able to approximate these. Some will exceed and some may drop slightly below these specifications. Limit specifications represent the absolute worst condition that still might be considered acceptable. In no case should a unit fail to meet limit specifications.

<DEFLECTION>

Description	Condition	Unit	Nominal	Limit
1. Over Scan	—	%	90	—
2. Linearity	Horizontal	%	—	10
	Vertical	%	—	7
3. High Voltage	—	kV	25	—

<VIDEO & CHROMA>

Description	Condition	Unit	Nominal	Limit
1. Misconvergence	Center	m/m	—	0.3
	Corner	m/m	—	1.5
	Side	m/m	—	1.2
2. Tint Control Range	—	deg	80	—
3. Contrast Control Range	—	dB	10	4
4. Brightness	APL 100%	ft-L	35	25
5. Color Temperature	—	°K	8500-20MPCD	—

<VCR>

Description	Condition	Unit	Nominal	Limit
1. Horizontal Resolution	(R/P)	Line	230	200
2. Jitter (Low)	(R/P)	mS	0.05	0.2
3. S/N Chroma AM (SP)	(R/P)	dB	38	33
PM (SP)	(R/P)	dB	36	33
4. Wow & Flutter (RMS)	(R/P)	%	0.25	0.5

<TUNER>

Description	Condition	Unit	Nominal	Limit
1. Video S/N	—	dB	40	35
2. Audio S/N (W/LPF)	—	dB	43	40

<AUDIO>

All items are measured across 8W resistor at speaker output terminal.

Description	Condition	Unit	Nominal	Limit
1. Audio Output Power (Max.)	(R/P)	W	0.9	0.7
2. Audio S/N (W/LPF)	(R/P)	dB	42	36
3. Audio Distortion (W/LPF)	(R/P)	%	3.0	5.0
4. Audio Freq. Response (-10dB Ref. 1KHz)	200Hz (R/P)8kHz (R/P)	dBdB	-2.0	-2.0 ± 5.0 0 ±6.0

SPECIFICATIONS (CCA132)

* Mode: SP mode unless otherwise specified
* Test input terminal <Except Tuner>: Video input (1Vp-p) Audio input (-10dB)
<Tuner> Ant. input (80dBmV) Video: 87.5%
Audio: 25kHz dev (1kHz Sin)

Note: Nominal specifications represent the design specifications. All units should be able to approximate these. Some will exceed and some may drop slightly below these specifications. Limit specifications represent the absolute worst condition that still might be considered acceptable. In no case should a unit fail to meet limit specifications.

<DEFLECTION>

Description	Condition	Unit	Nominal	Limit
1. Over Scan	—	%	90	—
2. Linearity	Horizontal	%	—	10
	Vertical	%	—	7
3. High Voltage	—	kV	22	—

<VIDEO & CHROMA>

Description	Condition	Unit	Nominal	Limit
1. Misconvergence	Center	m/m	—	0.3
	Corner	m/m	—	1.5
	Side	m/m	—	1.2
2. Tint Control Range	—	deg	80	—
3. Contrast Control Range	—	dB	6	4
4. Brightness	APL 100%	ft-L	55	40
5. Color Temperature	—	°K	8500-20MPCD	—

<VCR>

Description	Condition	Unit	Nominal	Limit
1. Horizontal Resolution	(R/P)	Line	230	200
2. Jitter (Low)	(R/P)	mS	0.05	0.2
3. S/N Chroma AM (SP)	(R/P)	dB	38	33
PM (SP)	(R/P)	dB	36	33
4. Wow & Flutter (RMS)	(R/P)	%	0.25	0.5

<TUNER>

Description	Condition	Unit	Nominal	Limit
1. Video S/N	—	dB	45	40
2. Audio S/N (W/LPF)	—	dB	43	40

<AUDIO>

All items are measured across 8W resistor at speaker output terminal.

Description	Condition	Unit	Nominal	Limit
1. Audio Output Power (Max.)	(R/P)	W	1.0	0.8
2. Audio S/N (W/LPF)	(R/P)	dB	40	36
3. Audio Distortion (W/LPF)	(R/P)	%	3.0	5.0
4. Audio Freq. Response (-10dB Ref. 1KHz)	200Hz (R/P)8kHz (R/P)	dBdB	-2.00	-2.0 ±5.0 0 ±6.0

SPECIFICATIONS (CCA134)

* Mode: SP mode unless otherwise specified
* Test input terminal <Except Tuner>: Video input (1Vp-p) Audio input (-10dB)
<Tuner> Ant. input (80dBmV) Video: 87.5%
Audio: 25kHz dev (1kHz Sin)

Note: Nominal specifications represent the design specifications. All units should be able to approximate these. Some will exceed and some may drop slightly below these specifications. Limit specifications represent the absolute worst condition that still might be considered acceptable. In no case should a unit fail to meet limit specifications.

<DEFLECTION>

Description	Condition	Unit	Nominal	Limit
1. Over Scan	—	%	90	—
2. Linearity	Horizontal	%	—	10
	Vertical	%	—	7
3. High Voltage	—	kV	22	—

<VIDEO & CHROMA>

Description	Condition	Unit	Nominal	Limit
1. Misconvergence	Center	m/m	—	0.3
	Corner	m/m	—	1.5
	Side	m/m	—	1.2
2. Tint Control Range	—	deg	30	—
3. Contrast Control Range	—	dB	5	4
4. Brightness	APL 100%	ft-L	55	40
5. Color Temperature	—	°K	8500-20MPCD	—

<VCR>

Description	Condition	Unit	Nominal	Limit
1. Horizontal Resolution	(R/P)	Line	230	200
2. Jitter (Low)	(R/P)	mS	0.05	0.2
3. S/N Chroma AM (SP)	(R/P)	dB	38	33
PM (SP)	(R/P)	dB	36	33
4. Wow & Flutter (RMS)	(R/P)	%	0.25	0.5

<TUNER>

Description	Condition	Unit	Nominal	Limit
1. Video S/N	—	dB	45	40
2. Audio S/N (W/LPF)	—	dB	43	40

<AUDIO>

All items are measured across 8W resistor at speaker output terminal.

Description	Condition	Unit	Nominal	Limit
1. Audio Output Power (Max.)	(R/P)	W	1.0	0.8
2. Audio S/N (W/LPF)	(R/P)	dB	40	36
3. Audio Distortion (W/LPF)	(R/P)	%	3.0	5.0
4. Audio Freq. Response (-10dB Ref. 1KHz)	200Hz (R/P)8kHz (R/P)	dBdB	-2.00	-2.0 5.00 6.0

SPECIFICATIONS (CCA193, 194)

* Mode: SP mode unless otherwise specified
* Test input terminal <Except Tuner>: Video input (1Vp-p) Audio input (-10dB)
<Tuner> Ant. input (80dBmV) Video: 87.5%
Audio: 25kHz dev (1kHz Sin)

Note: Nominal specifications represent the design specifications. All units should be able to approximate these. Some will exceed and some may drop slightly below these specifications. Limit specifications represent the absolute worst condition that still might be considered acceptable. In no case should a unit fail to meet limit specifications.

<DEFLECTION>

Description	Condition	Unit	Nominal	Limit
1. Over Scan	—	%	90	—
2. Linearity	Horizontal	%	—	10
	Vertical	%	—	7
3. High Voltage	—	kV	25	—

<VIDEO & CHROMA>

Description	Condition	Unit	Nominal	Limit
1. Misconvergence	Center	m/m	—	0.3
	Corner	m/m	—	1.5
	Side	m/m	—	1.2
2. Tint Control Range	—	deg	30	—
3. Contrast Control Range	—	dB	10	4
4. Brightness	APL 100%	ft-L	35	25
5. Color Temperature	—	K	8500-20MPCD	—

<VCR>

Description	Condition	Unit	Nominal	Limit
1. Horizontal Resolution	(R/P)	Line	230	200
2. Jitter (Low)	(R/P)	mS	0.05	0.2
3. S/N Chroma AM (SP)	(R/P)	dB	38	33
PM (SP)	(R/P)	dB	36	33
4. Wow & Flutter (RMS)	(R/P)	%	0.25	0.5

<TUNER>

Description	Condition	Unit	Nominal	Limit
1. Video S/N	—	dB	40	35
2. Audio S/N (W/LPF)	—	dB	43	40

<AUDIO>

All items are measured across 8W resistor at speaker output terminal.

Description	Condition	Unit	Nominal	Limit
1. Audio Output Power (Max.)	(R/P)	W	0.9	0.7
2. Audio S/N (W/LPF)	(R/P)	dB	42	36
3. Audio Distortion (W/LPF)	(R/P)	%	3.0	5.0
4. Audio Freq. Response (-10dB Ref. 1KHz)	200Hz (R/P)8kHz (R/P)	dBdB	-2.00	-2.0 5.00 6.0

SPECIFICATIONS (CCA252 & CCA255)

* Mode: SP mode unless otherwise specified
* Test input terminal <Except Tuner>: Video input (1Vp-p) Audio input (-10dB)
<Tuner> Ant. input (80dBmV) Video: 87.5%
Audio: 25kHz dev (1kHz Sin)

Note: Nominal specifications represent the design specifications. All units should be able to approximate these. Some will exceed and some may drop slightly below these specifications. Limit specifications represent the absolute worst condition that still might be considered acceptable. In no case should a unit fail to meet limit specifications.

<DEFLECTION>

Description	Condition	Unit	Nominal	Limit
1. Over Scan	—	%	90	—
2. Linearity	Horizontal Vertical	% %	— —	15 15
3. High Voltage	—	kV	29	—

<VIDEO & CHROMA>

Description	Condition	Unit	Nominal	Limit
1. Misconvergence	Center Corner Side	m/m m/m m/m	— — —	0.4 2.5 1.5
2. Tint Control Range	—	deg	30	—
3. Contrast Control Range	—	dB	6	—
4. Brightness	APL 100%	ft-L	30	20
5. Color Temperature	—	K	8500-20MPCD	—

<VCR>

Description	Condition	Unit	Nominal	Limit
1. Horizontal Resolution	(R/P)	Line	230	200
2. Jitter (Low)	(R/P)	mS	0.05	0.2
3. S/N Chroma AM (SP) PM (SP)	(R/P) (R/P)	dB dB	38 36	33 33
4. Wow & Flutter (RMS)	(R/P)	%	0.25	0.5

<TUNER>

Description	Condition	Unit	Nominal	Limit
1. Video S/N	—	dB	45	40
2. Audio S/N (W/LPF)	—	dB	43	40

<AUDIO>

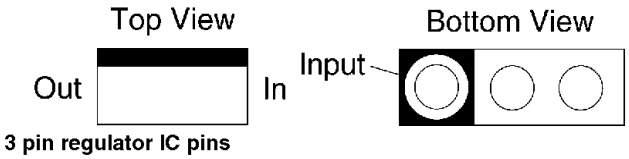
All items are measured across 8W resistor at speaker output terminal.

Description	Condition	Unit	Nominal	Limit
1. Audio Output Power (Max.)	(R/P)	W	1.0	0.8
2. Audio S/N (W/LPF)	(R/P)	dB	40	36
3. Audio Distortion (W/LPF)	(R/P)	%	3.0	5.0
4. Audio Freq. Response (-10dB Ref. 1KHz)	200Hz (R/P) 8kHz (R/P)	dB dB	-2.0 0	-2.0 ±5.0 0 ±6.0

STANDARD NOTES FOR SERVICING

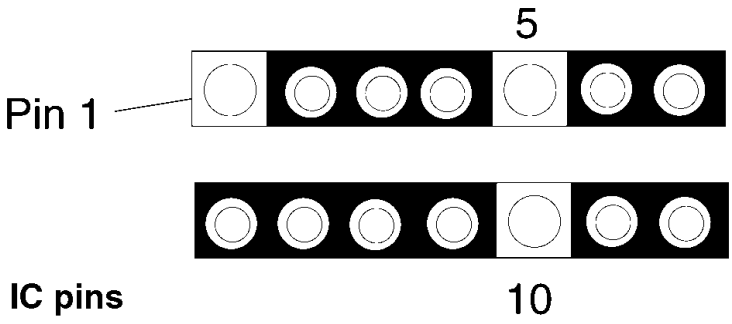
Circuit Board Indications

1. The output pin of the 3 pin Regulator ICs is indicated **as shown**:



3 pin regulator IC pins

2. For other ICs, pin 1 and every 5th pin are indicated **as shown**:



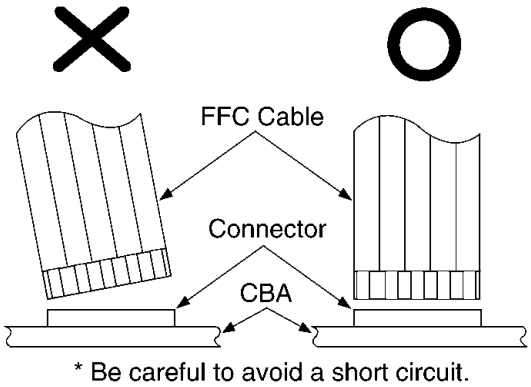
IC pins

3. The 1st pin of every pin connector is indicated **as shown**:

Male Connector Pins

Instructions for Connectors

1. When you connect or disconnect FFC cable (connector), be sure to disconnect the AC cord.
2. FFC cable (connector) should be **inserted parallel into the connector**, not at an angle.



Flat Cable Connections

Caution:
Once chip parts (Resistors, Capacitors, Transistors, etc.) are removed, they must not be reused. Always use a new part.

Replacement Procedures for Leadless (Chip) Components

The following procedures are recommended for the replacement of the leadless components used in this unit.

1. Preparation for replacement

a. Soldering Iron: Use a pencil-type soldering iron (less than 30 watts).
b. Solder: Eutectic solder (Tin 63%, Lead 37%) is recommended.
c. Soldering time: Do not apply heat for more than 4 seconds.
d. Preheating: Leadless capacitor must be preheated before installation. (130°C~150°C, for about two minutes.)

Notes:

a. Leadless components must not be reused after removal.
b. Excessive mechanical stress and rubbing for the component electrode must be avoided.

2. Removing the leadless component

Grasp the leadless component body with tweezers and alternately apply heat to both electrodes. When the solder on both electrodes has melted, remove leadless component with a twisting motion.

Notes:

a. Do not attempt to lift the component off the board until the component is completely disconnected from the board by the twisting action.
b. Take care not to break the copper foil on the printed board.

3. Installing the leadless component

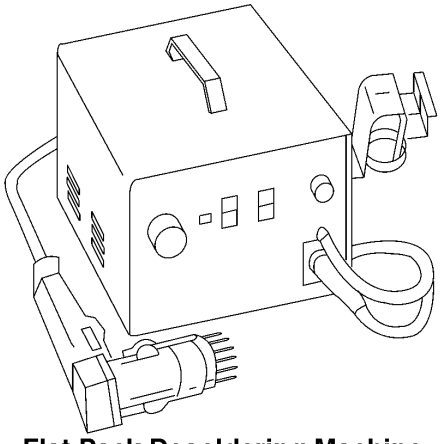
a. Presolder the contact points of the circuit board.
b. Press the part downward with tweezers and solder both electrodes.

Note:

Do not glue the replacement leadless component to the circuit board.

How to Remove / Install Flat Pack IC

Caution:
1. Do not apply the hot air to the chip parts around the Flat Pack-IC for over 6 seconds as damage may occur to the chip parts. Put Masking Tape around the Flat Pack-IC to protect other parts from damage. (**Fig. S-1-2**)



Flat Pack Desoldering Machine
Fig S-1-1

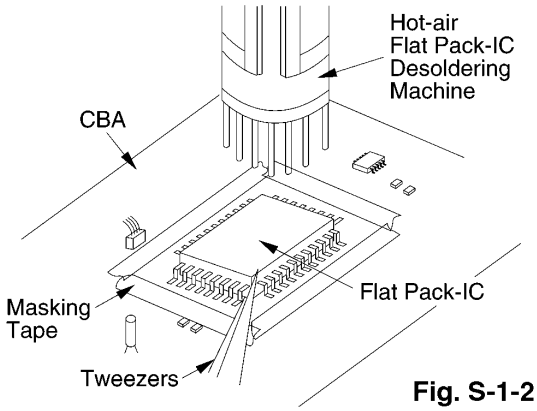


Fig. S-1-2

2. The Flat Pack-IC on the CBA is affixed with glue, so be careful not to break or damage the foil of each pin or solder lands under the IC when removing it.

1. Removal

With Hot - Air Flat-Pack IC Desoldering Machine:
a. Prepare the Hot - Air Flat-Pack IC Desoldering Machine, then apply hot air to Flat-Pack IC (about 5~6 seconds). (**Fig. S-1-1**)
b. Remove the Flat Pack- IC with tweezers while applying the hot air.

With Soldering Iron:
a. Using desoldering braid, remove the solder from all pins of the Flat Pack - IC. When you use solder flux which is applied to all pins of the Flat Pack - IC, you can remove it easily. (**Fig. S-1-3**)

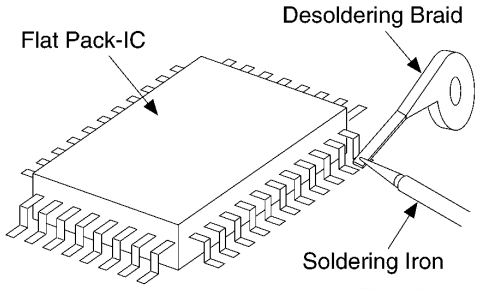


Fig. S-1-3

b. Lift each lead of the Flat Pack - IC upward one by one, using a sharp pin or wire to which solder will not adhere (iron wire). When heating the pins, use a fine tip soldering iron or a hot air Desoldering Machine. (**Fig. S-1-4**)

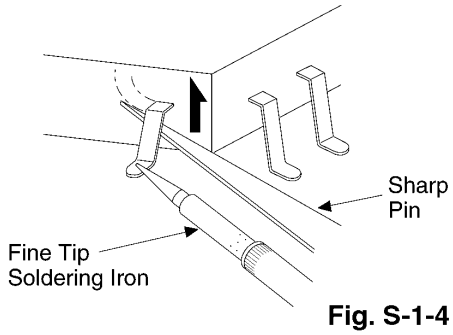


Fig. S-1-4

With Iron Wire:

a. Using desoldering braid, remove the solder from all pins of the Flat Pack - IC. When you use solder flux which is applied to all pins of the Flat Pack - IC, you can remove it easily. (**Fig. S-1-3**)

b. Affix the wire to a workbench or solid mounting point, as shown in **Fig. S-1-5**.

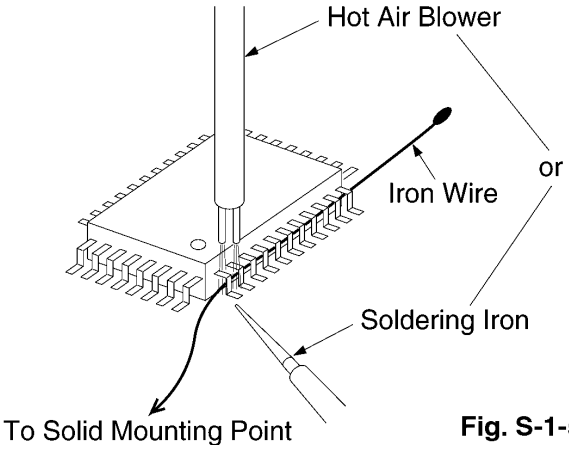


Fig. S-1-5

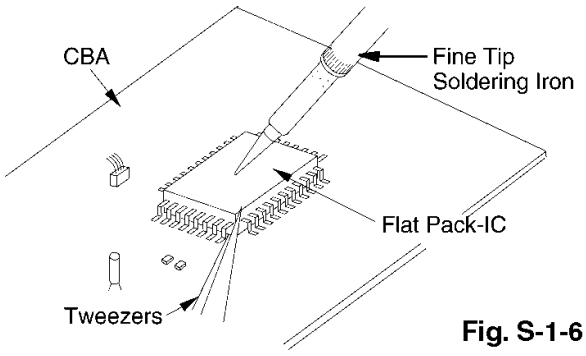


Fig. S-1-6

c. Pull up on the wire as the solder melts so as to lift the IC leads from the CBA contact pads, while heating the pins using a fine tip soldering iron or hot air blower.

Note:

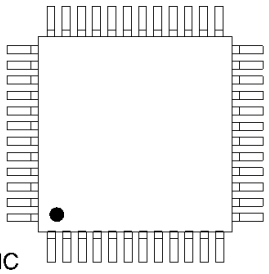
When using a soldering iron, care must be taken to ensure that the Flat Pack - IC is not being held by glue, or when it is removed from the CBA, it may be damaged if force is used.

2. Installation

a. Using desoldering braid, remove the solder from the foil of each pin of the Flat Pack – IC on the CBA, so you can install a replacement Flat Pack - IC more easily.

b. The ”●“ mark on the Flat Pack - IC indicates pin 1 (See **Fig. S-1-7**). Make sure this mark matches the 1 on the CBA when positioning for installation. Then pre - solder the four corners of the Flat Pack- IC (See **Fig. S-1-7**).

Example :



Pin 1 of the Flat Pack-IC is indicated by a " ● " mark.

Fig. S-1-7

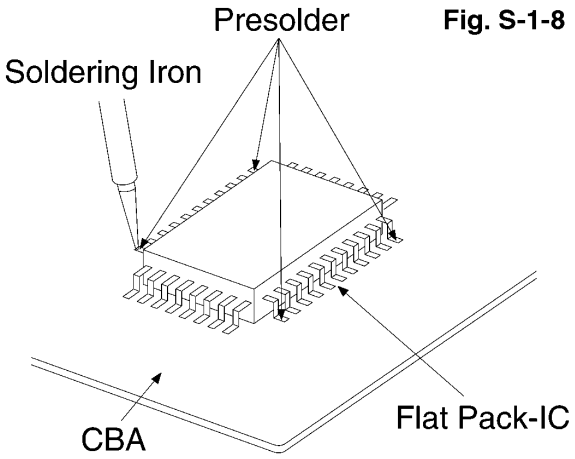


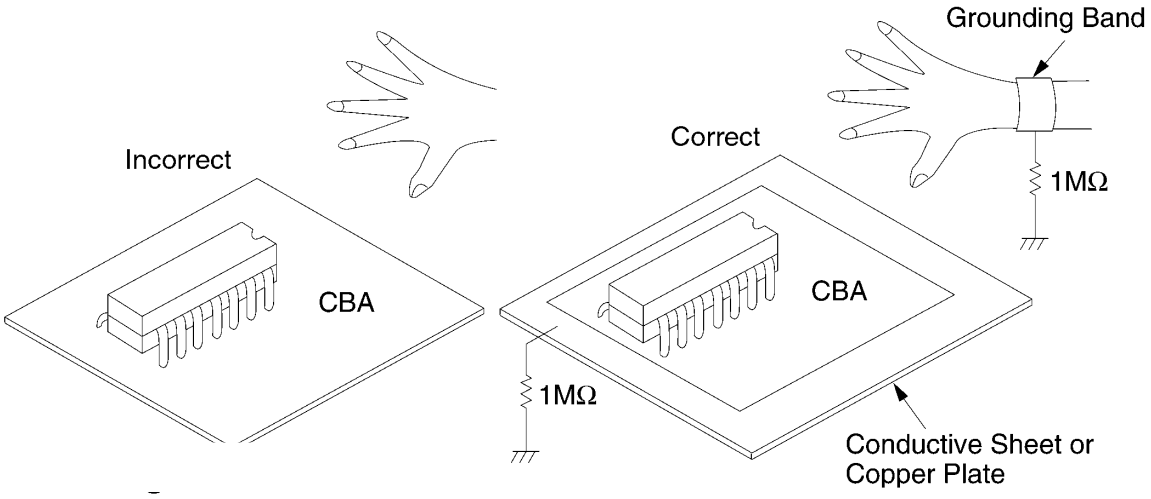
Fig. S-1-8

c. Solder all pins of the Flat Pack - IC. Make sure that none of the pins have solder bridges.

Instructions for Handling Semiconductors
Electrostatic breakdown of the semiconductors may occur due to a potential difference caused by electrostatic charge during unpacking or repair work.

Ground for Human Body

Be sure to wear a grounding band (1MW) that is properly grounded to remove any static electricity that may be charged on the body.



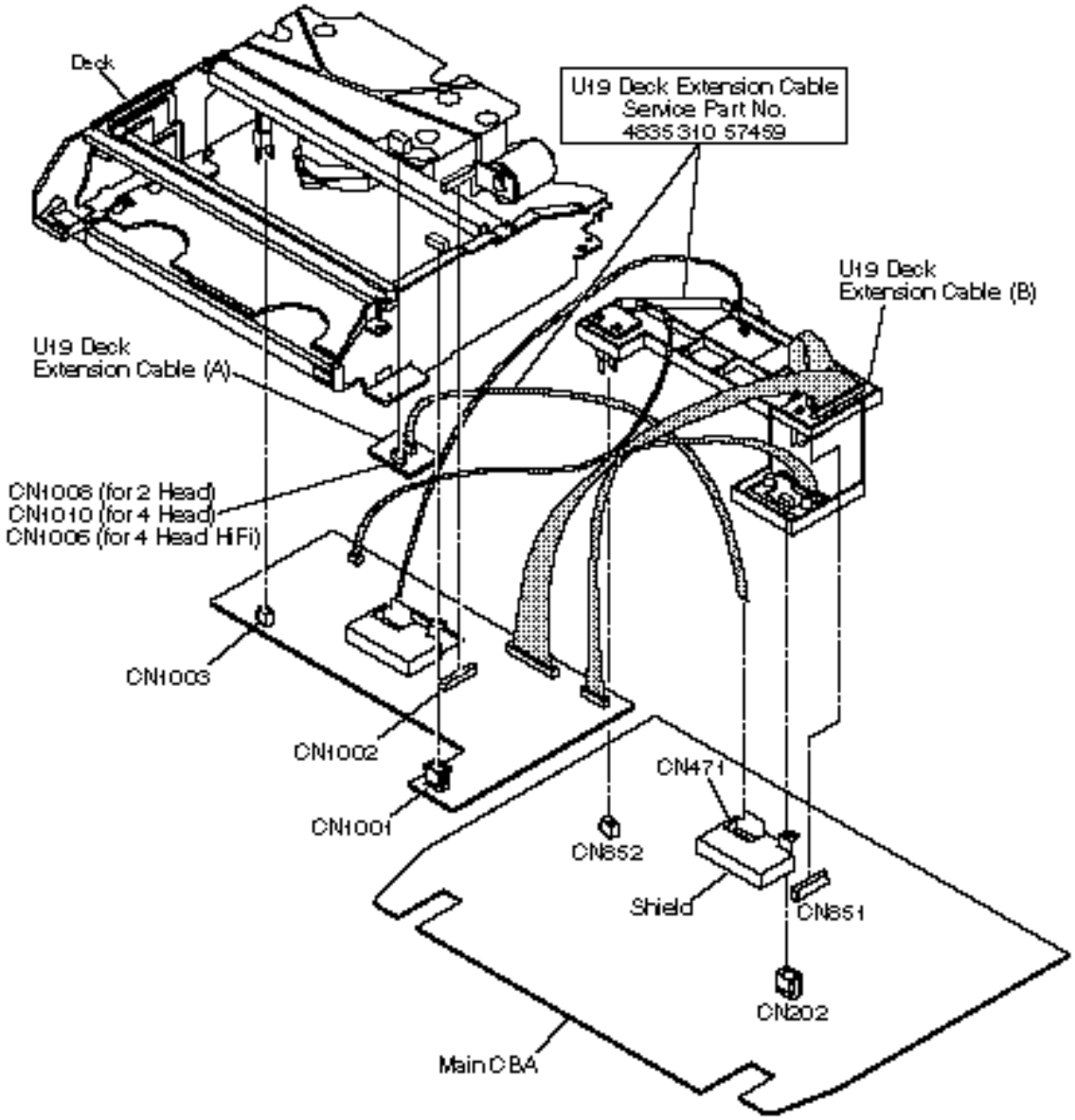
Ground for Work Bench

Be sure to place a conductive sheet or copper plate with proper grounding (1MW) on the workbench or other surface, where the semiconductors are to be placed. Because the static electricity charge on the clothing will not escape through the body grounding band, be careful to avoid contacting semiconductors to clothing.

PREPARATION FOR SERVICING
How to Use U19 Deck Extension Cable

(1) Remove Deck Mechanism Assembly. If needed, remove the Main CBA from Tray Chassis. Refer to "Disassembly Instructions."

(2) Connect Main CBA and Deck with the U19 Deck Extension Cable (A) as shown below. And connect Main CBA and Deck with U19 Deck Extension Cable (B) as shown in Fig. 1. Connect the 2 clips to the Shield Plate on the Main CBA. (U19 Deck Extension Cable: 4835 310 57459)



Note 1: There are 3 types of U19 Deck Extension Cable (A). They are for 2 Head, 4 Head, and Hi-Fi. Use a connector indicated as shown. Be careful not to let the unused connector contact other parts.

Note 2: Some noise will be present in the playback picture when the extension cable is used.

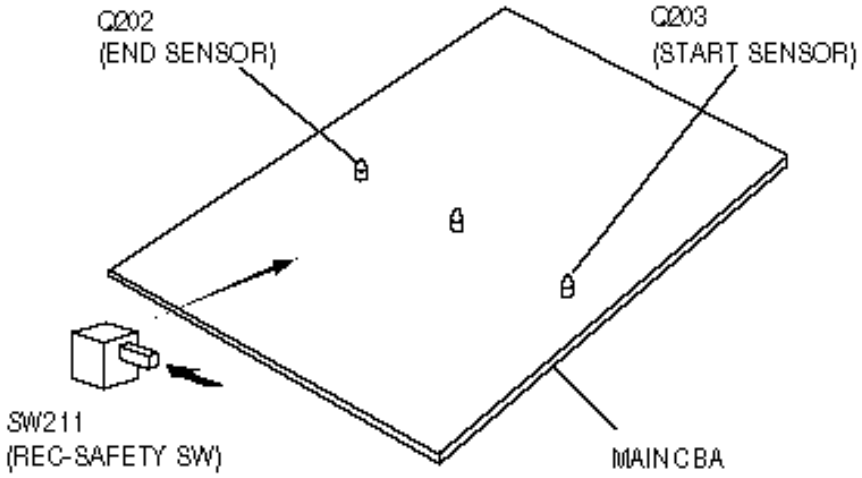
How to Enter the Service Mode

Caution: 1

1. Optical sensors are used for Tape Start and End Sensor on this equipment. Read this page carefully and prepare as described on this page before starting to service; otherwise, the unit may operate unexpectedly.

Preparing: 1

1. Cover Q203 (START SENSOR) and Q202 (END SENSOR) with insulation tape or enter the Service Mode to activate Sensor Inhibition automatically.



Note: Avoid playing, rewinding or fast forwarding the tape to its beginning or end, because both Tape End Sensors are not active.

How to Enter the Service Mode

1. Turn power on.
2. If using a non-locator remote, press the remote control keys in the following order.
   MENU—>MUTE—>PAUSE—>MUTE
3. If using a locator remote control, press MENU —>MUTE, cover the remote control's output and aim the remote control away from the unit, press PAUSE, uncover the remote control's output, point it toward the unit and press PAUSE again, then press MUTE.
4. While in the Service Mode, Electrical Adjustment Mode may be selected by pressing the appropriate remote control key as shown in the table below.

Adjustment Mode

	Adjustment Mode
MENU	Picture Adjustment Mode : Press the MENU button to change from BRT (Bright), CNT (Contrast) and TNT (Tint). Press CH UP/DOWN key to display Initial Value, Maximum and Minimum cyclically.
0	Hf0/C-Trap Adjustment Mode: See Adjustment Instructions.
1	V-Size, V-Position and H.Shift Adjustment Mode. See Adjustment Instructions.
2	AGC Adjustment Mode: See Adjustment Instructions.
3	AFT Adjustment Mode: See Adjustment Instructions.
4	Auto Record Mode: Perform Recording (15 Sec.)—>Stop—>Rewind (Zero Return) automatically.
5	Head Switching Point Adjustment Mode: See Adjustment Instructions.
6	Static Convergence Adjustment Mode: Shows 1 dot color on the center of the screen.Press CH UP/DOWN key to change the colors white and magenta.
7	Purity Check Mode: Shows red, green or blue on the screen when the CH UP/DOWN keys are pressed.
8	Cut-off Adjustment Mode: Shows only horizontal line. See Adjustment Instructions.

Caution: 2

1. The deck mechanism assembly is mounted on the Main CBA directly, and SW211 (REC-SAFETY SW) is mounted on the Main CBA. When deck mechanism assembly is removed from the Main CBA due to servicing, this switch cannot be operated automatically.

Preparing: 2

1. To eject the tape, press the STOP/EJECT button on the unit (or Remote Control).
2. When you want to record during the Service Mode, press the Rec button while depressing SW211 (REC-SAFETY SW) on the Main CBA.

Standard Notes

Capacitor Temperature Markings

Mark	Capacity change rate	Standard temperature	Temperature range
(B)	10%	20°C	-25~+85°C
(F)	+30 -80%	20°C	-25~+85°C
(SR)	15%	20°C	-25~+85°C
(Y)	22.5%	20°C	-25~+85°C

Notes:

1. Do not use the part number shown on these drawings for ordering. The correct part number is shown in the parts list, and may be slightly different or amended since these drawings were prepared.
2. To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list section of the service manual.
3. Prefix symbol “CN” means “connector” (can disconnect and reconnect). Prefix symbol “CL” means “wire-solder holes of the PCB” (wire is soldered directly).
4. All resistance values are indicated in ohms (K=, M=).
5. Resistor wattages are 1/4W or 1/6W unless otherwise specified.
6. All capacitance values are indicated in F (P=F).
7. All voltages are DC voltages unless otherwise specified.
8. Voltage indications for PLAY and REC modes on the schematics are as shown at top of schematics.

STANDARD MAINTENANCE

Service Schedule of Components

Deck		Periodic Service Schedule			
Ref. No.	Part Name	1,000 H	2,000 H	3,000 H	4,000 H
B2	Cylinder Assembly	CHECK	CHANGE	CHECK	CHANGE
B3	Loading Motor Assembly			CHANGE	
B8	Pulley Assembly		CHANGE		CHANGE
B21	Loading Belt		CHANGE		CHANGE
B27	Tension Lever Assembly		CHANGE		CHANGE
B31	AC Head Assembly			CHANGE	
B32, B339	Reel (T), Reel (S)			CHANGE	
B37	Capstan Motor		CHANGE		CHANGE
B52	Capstan Belt		CHANGE		CHANGE
*B73	FE Head CBA			CHANGE	
B132	Clutch Assembly		CHANGE		CHANGE
B133	Idler Assembly		CHANGE		CHANGE
B410	Pinch Roller Assembly		CHANGE		CHANGE
B413	Main Brake T Sub Assembly		CHANGE		CHANGE
B414	Main Brake S Assembly		CHANGE		CHANGE

Notes:

1. Clean all parts for the tape transport (Upper Drum with Video Head / Pinch Roller / Audio Control Head / Full Erase Head) using 90% Isopropyl Alcohol.
2. After cleaning the parts, do all DECK ADJUSTMENTS.
3. For the reference numbers listed above, refer to Deck Exploded Views.

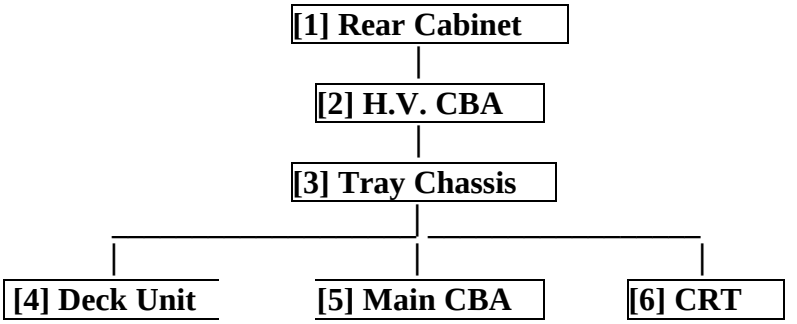
* B73 ——— VCR Models only

DISASSEMBLY INSTRUCTIONS

Cabinet and Main Assemblies

Disassembly Flowchart

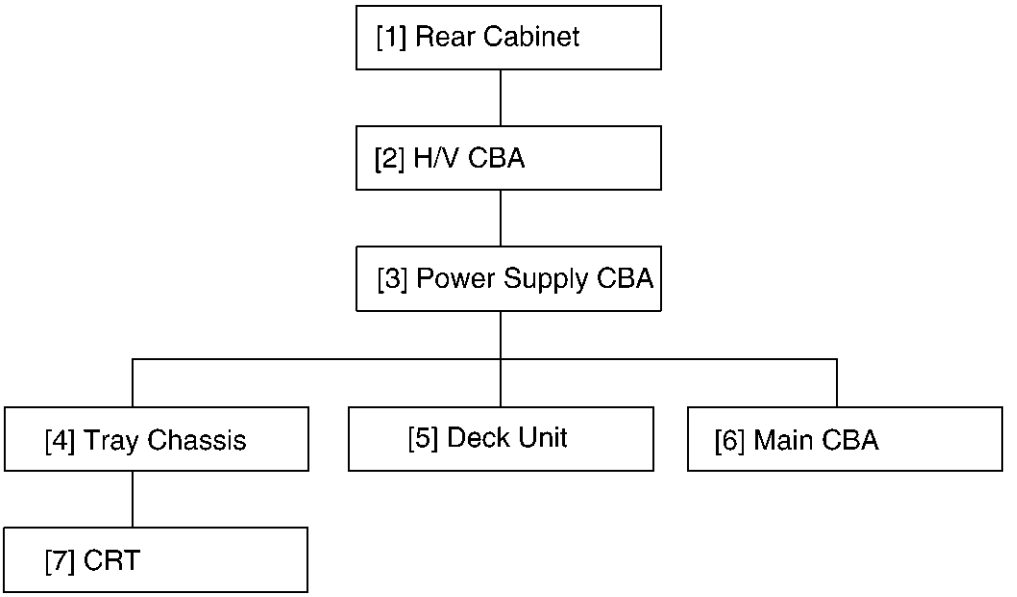
This flowchart indicates the disassembly steps for the cabinet parts, and the CBA in order to gain access to item(s) to be serviced. When reassembling, follow the steps in reverse order. Bend, route and dress the cables as they were.



Caution!

When removing the CRT, be sure to discharge the Anode Lead of the CRT with the CRT Ground Wire before removing the Anode Cap.

Disassembly Flowchart for CCA092



Disassembly Method (CCA132, 134, 191, 192, 193, 194)

STEP/ LOC. NO.	PART	REMOVAL		
		FIG. NO.	REMOVE/ UNLOCK/RELEASE/ UNPLUG/ UNCLAMP/DESOLDER	NOTE
[1]	Rear Cabinet	1, 2	4(S-1), 1(S-2)	1
[2]	H/V CBA (With Holder)	3, 4, 5	Anode Cap, CRT CBA, CL501A, CN503, CN571, CN575, CN602 2(S-3), 2(L-1)	2
[3]	Tray Chassis	3, 5	CN601, CN801	3
[4]	Deck Unit	3	7(S-4), 1(S-5)	4
[5]	Main CBA	3	6(S-6)	5
[6]	CRT	4	4(S-7)	6
—	—	—	—	—
[1]	**[2]**	**[3]**	**[4]**	**[5]**

[1] Order of steps in procedure. When reassembling, follow the steps in reverse order. These numbers are also used as the identification (location) No. of parts in figures.
[2] Parts to be removed or installed.
[3] Fig No. showing procedure of part location
[4] Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered. S=Screw, P=Spring, L=Locking Tab, CN=Connector, *=Unhook, Unlock, Release, Unplug, or Desolder 2(S-2) = two Screws (S-2)
[5] Refer to the following "Reference Notes in the Table"

Reference Notes in the Table

1. Removal of the Rear Cabinet.
   Remove Screws 4(S-1) and 1(S-2)

   Caution!
   Discharge the Anode Lead of the CRT with the CRT Ground Wire before removing the Anode Cap.

2. Removal of the H/V CBA with Holder. Discharge the Anode lead of the CRT with the CRT Ground Wire before removing the Anode Cap.
   Disconnect the following: Anode Cap, CRT CBA, CL501A, CN503, CN571, CN575, and CN602.
   Remove 2(S-3). Unlock 2(L-1). Pull the H/V CBA backward.
3. Removal of the Tray Chassis. Disconnect CN601 and CN801. Pull the Tray Chassis backward.
4. Removal of the Deck Unit. Remove 7(S-4) and 1(s-5). Lift up the Deck Unit.
5. Removal of the Main CBA. Remove 6(s-6). Lift up the Main CBA.
6. Removal of the CRT. Remove 4(S-7) and pull the CRT backward.

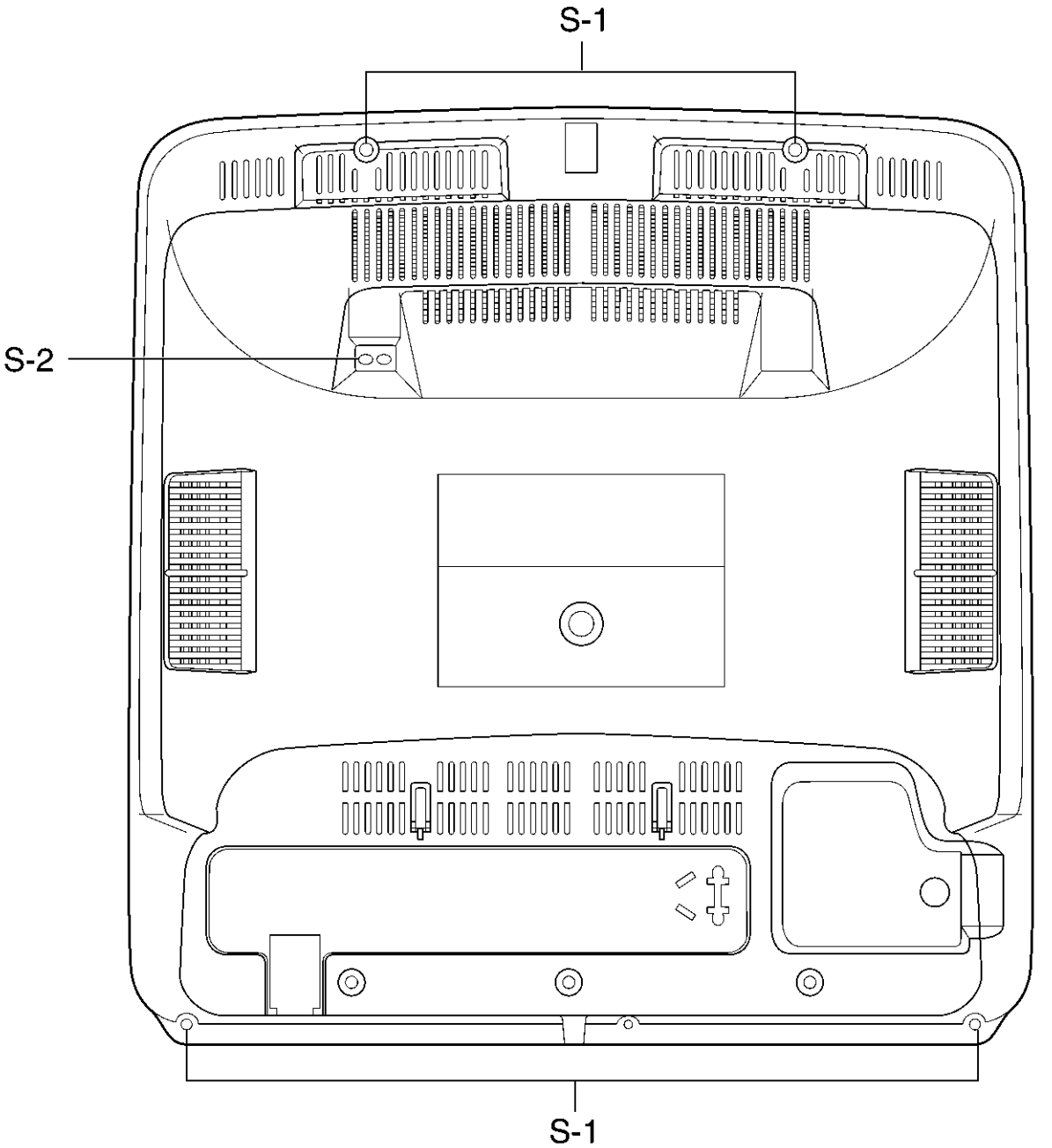
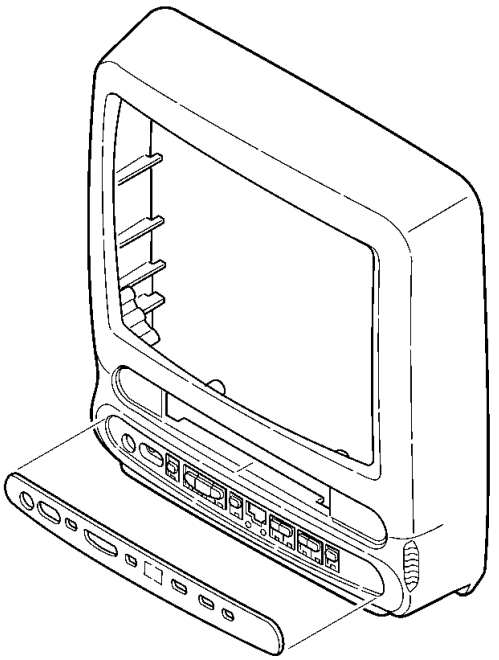
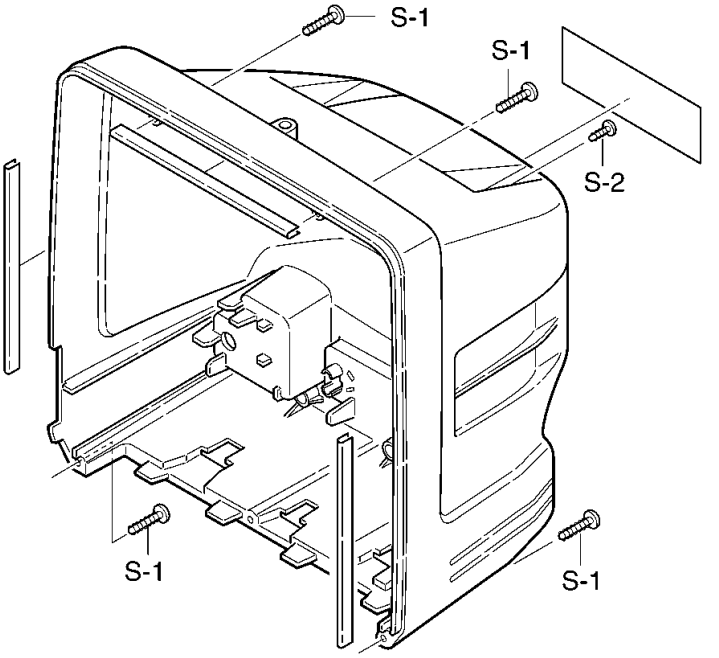


Fig. 1

[1] REAR CABINET





[1] REAR CABINET

Fig. 2

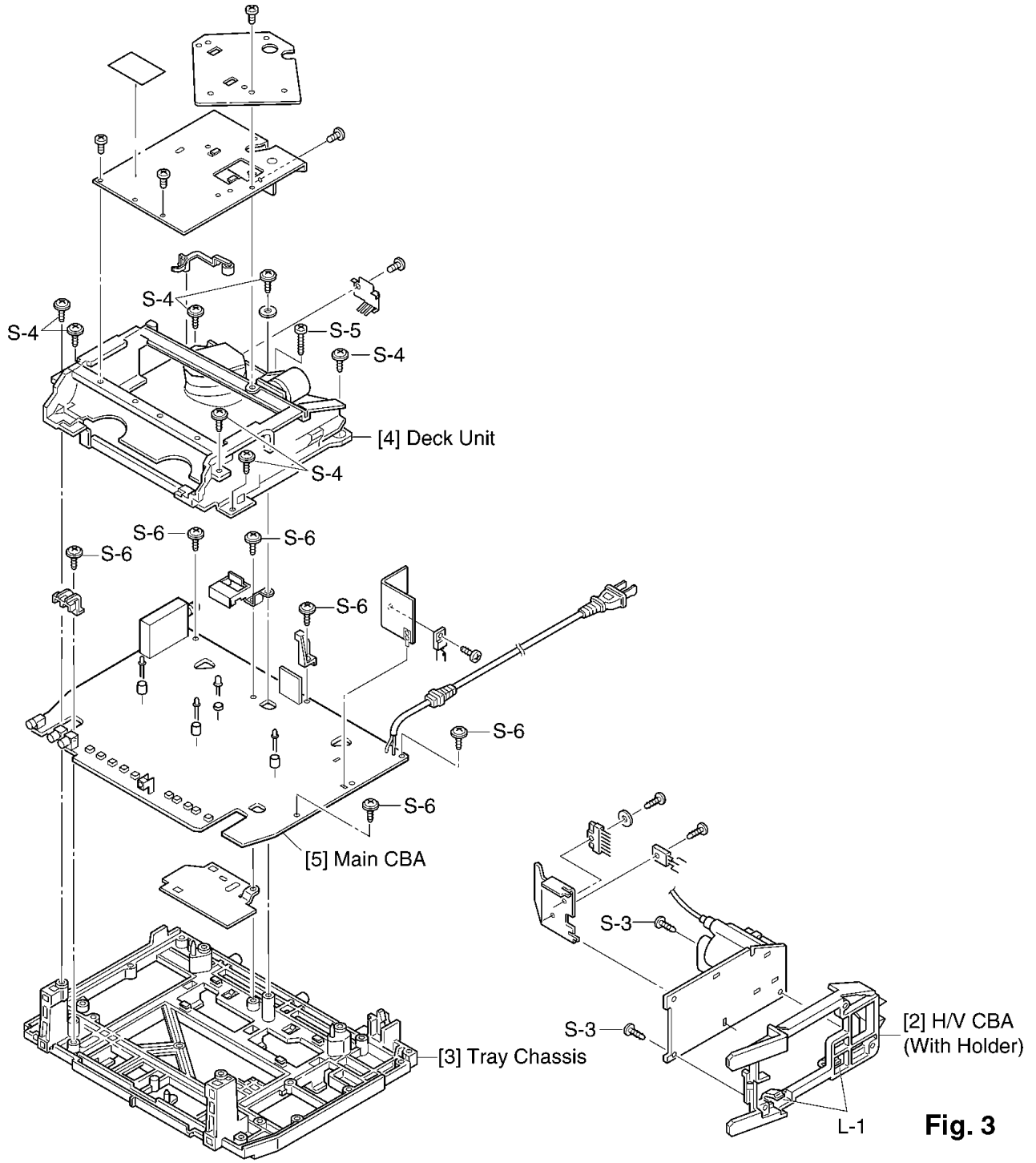
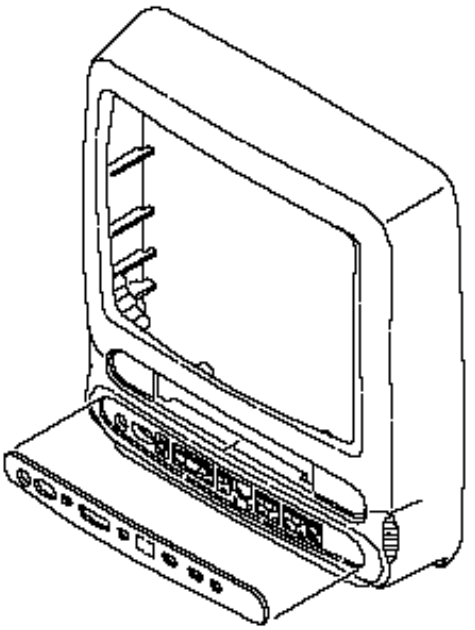

S-4
S-4
S-5
S-4
[4] Deck Unit
S-4
S-6
S-6
S-6
S-6
S-6
S-6
[5] Main CBA
[3] Tray Chassis
S-3
S-3
[2] H/V CBA
(With Holder)
L-1

Fig. 3



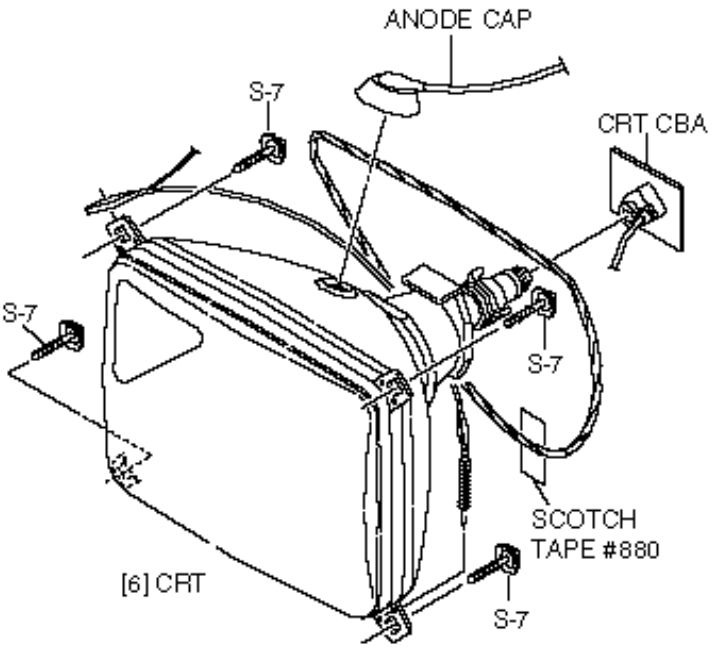
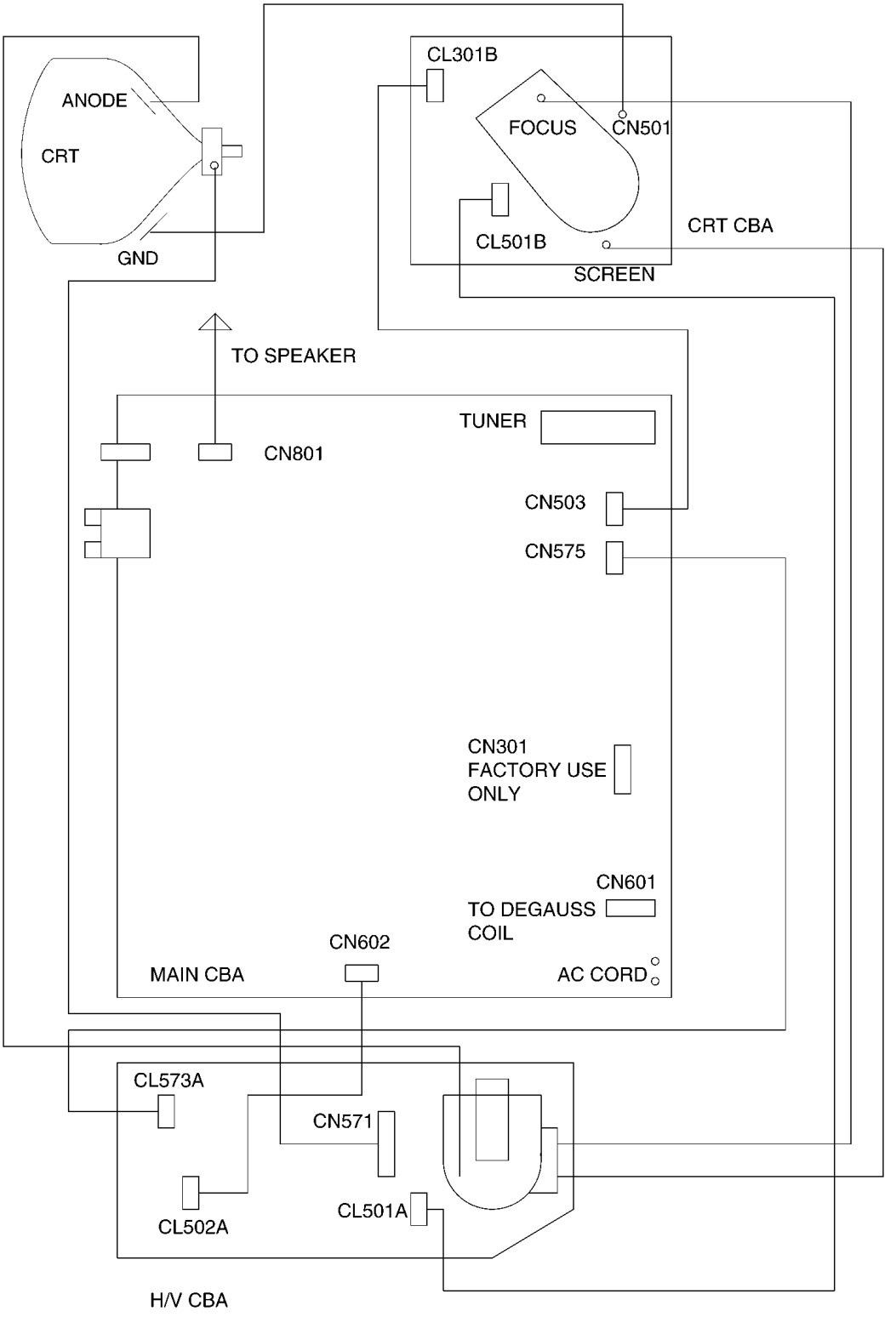


Fig. 4


ANODE
CRT
GND
CL301B
FOCUS
CN501
CL501B
SCREEN
CRT CBA
TO SPEAKER
TUNER
CN801
CN503
CN575
CN301
FACTORY USE
ONLY
CN601
TO DEGAUSS
COIL
CN602
MAIN CBA
AC CORD
CL573A
CN571
CL502A
CL501A
H/V CBA

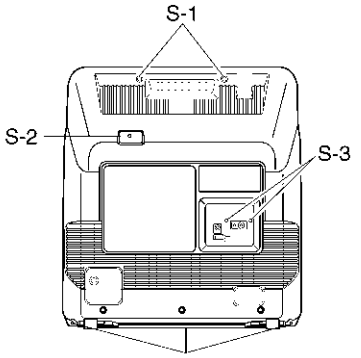
Disassembly Method (CCA092)

STEP/ LOC. NO.	PART	REMOVAL		
		FIG. NO.	REMOVE/*UNLOCK/ RELEASE/UNPLUG/ UNCLAMP/DESOLDER	NOTE
[1]	Rear Cabinet	1, 2	5(S-1), 1(S-2), 2(S-3)	1
[2]	H/V CBA	3, 5	Anode Cap, CRT CBA, CL501A,CN503,CN571,CN575,CN602, Unclamp H/V CBA	2
[3]	Power Supply CBA	3, 5	CN1601,CN603,2(S-5),2(L-1), 3(S-6)	3
[4]	Tray Chassis	3, 5	CN802	54
[5]	Deck Unit	3, 5	6(S-7),1(S-8),1(S-9)	5
[6]	Main CBA	3, 5	4(S-10)	6
[7]	CRT	4	4(S-11)	7
—	—	—	—	—
[1]	**[2]**	**[3]**	**[4]**	**[5]**

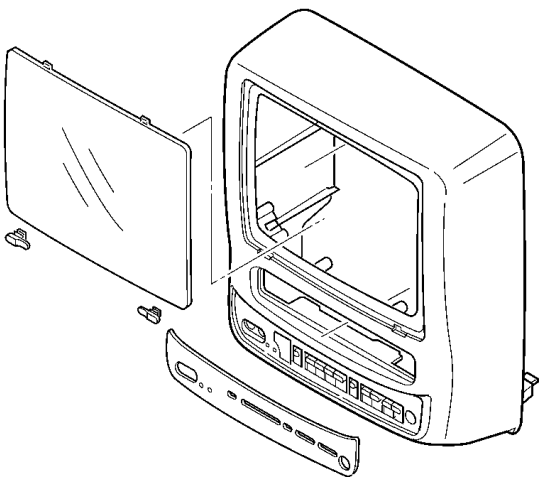
[1] Order of steps in procedure. When reassembling, follow the steps in reverse order. These numbers are also used as the identification (location) No. of parts in figures.
[2] Parts to be removed or installed.
[3] Fig No. showing procedure of part location
[4] Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered. S=Screw, P=Spring, L=Locking Tab, CN=Connector, *=Unhook, Unlock, Release, Unplug, or Desolder 2(S-2) = two Screws (S-2)
[5] Refer to the following ”Reference Notes in the Table“

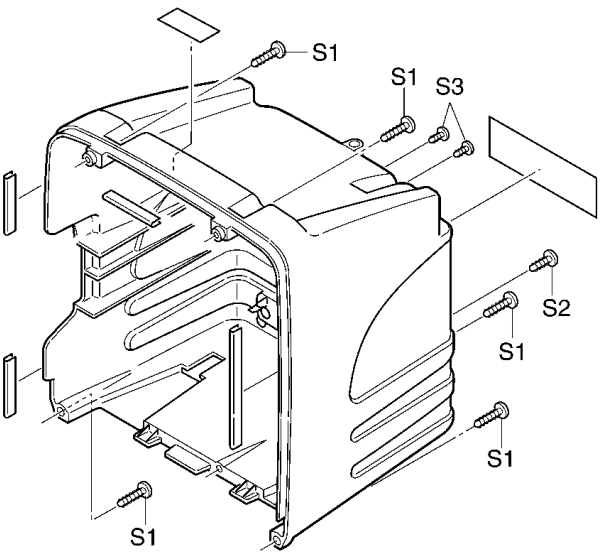
Reference Notes in the Table

1. Removal of the Rear Cabinet. Remove screws 5(S-1), 1(S-2) and 2(S-3).
2. Removal of the H/V CBA. Discharge the Anode Lead of the CRT with the CRT ground wire before removing the Anode Cap.
   Disconnect the following: Anode Cap, CRT CBA, CL501A, CN503, CN571, CN575, CN602 and unclamp the H/V CBA.
3. Removal of the Power Supply CBA. Disconnect CN1601 and CN603. Slide Power Supply CBA holder backward. Remove screws 2(S-5) and 3(S-6). Release 2(L-1). Lift up the Power Supply CBA.
4. Removal of the Tray chassis. Disconnect CN802, then slide Tray chassis backward.
5. Removal of the Deck Unit. Remove screws 6(S-7), 1(S-8) and 1(S-9). Lift up the Deck Unit.
6. Removal of the Main CBA. Remove screws 4(S-10).
7. Removal of the CRT. Remove screws 4(S11) and pull the CRT backward.

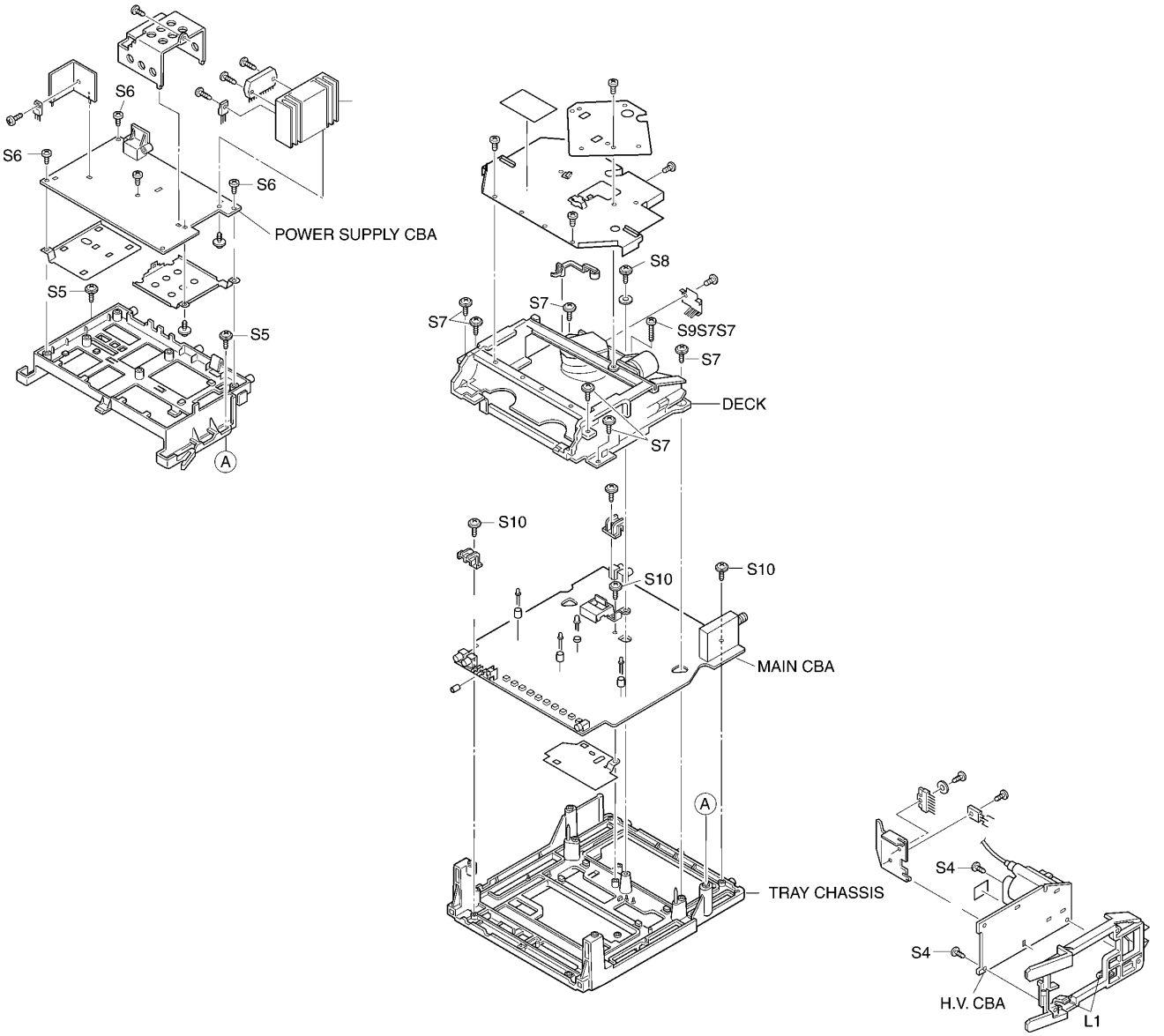


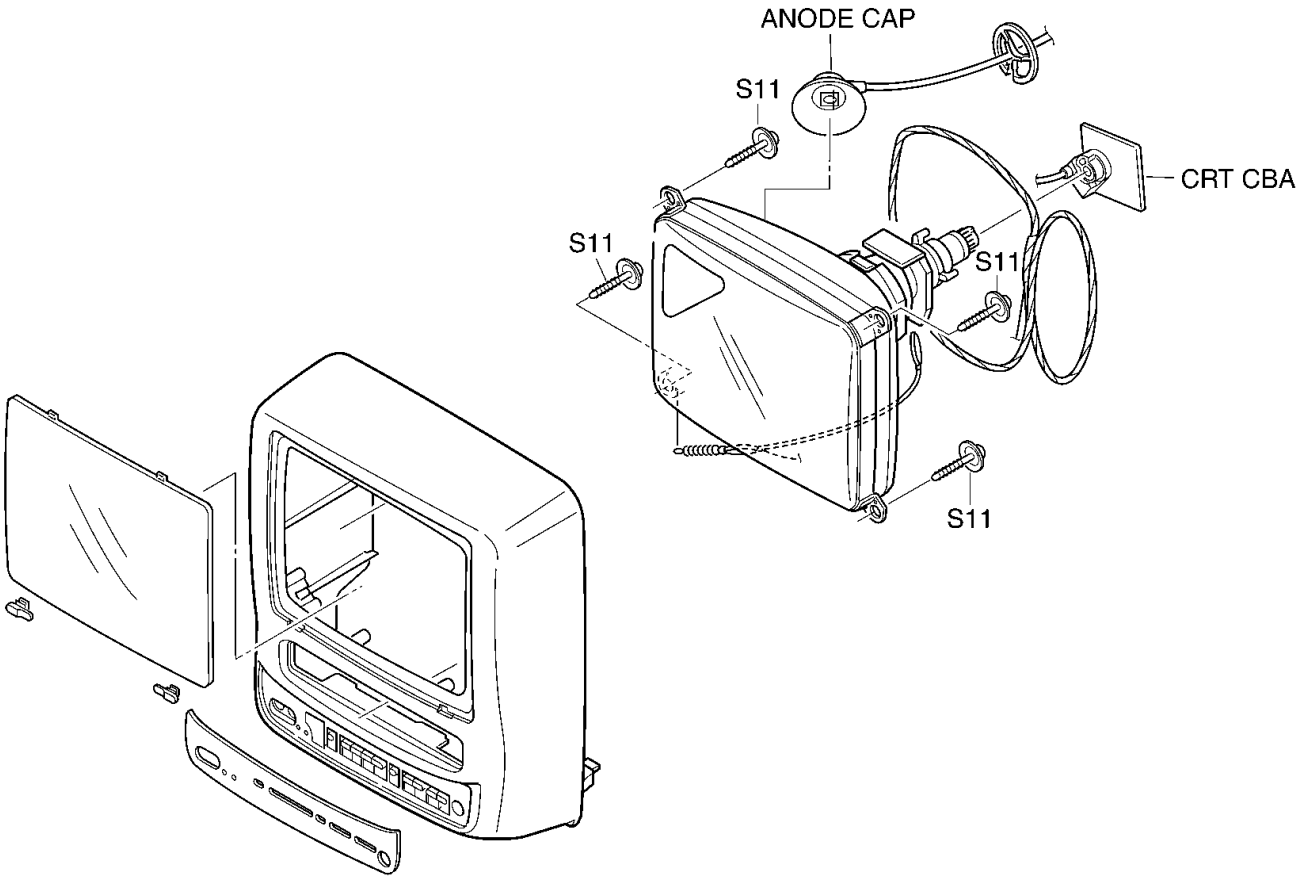
[1] Rear Cabinet

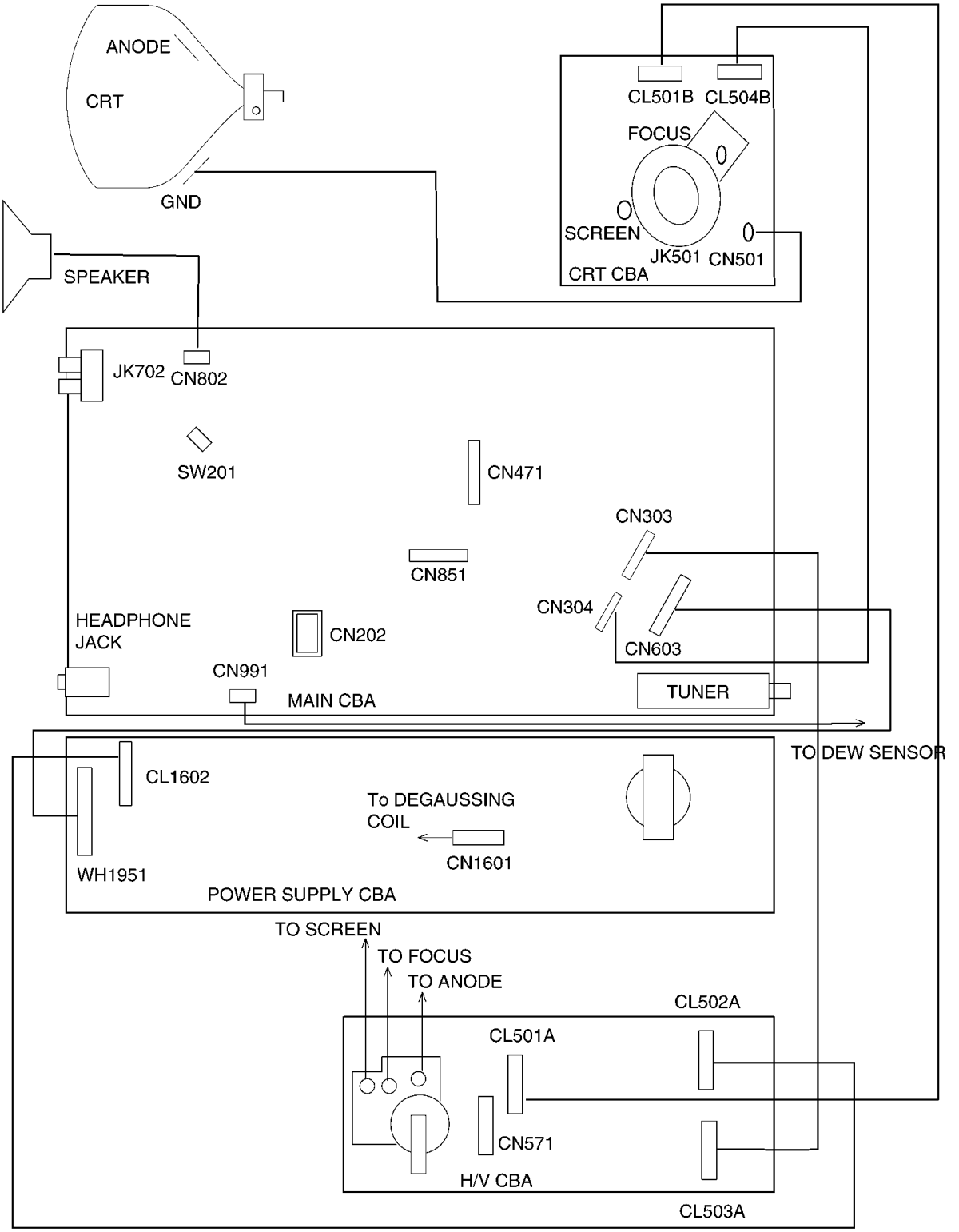




[1] REAR CABINET


S6
S6
S6
POWER SUPPLY CBA
S5
S5
A
S8
S7
S7
S9S7S7
S7
DECK
S7
S10
S10
S10
MAIN CBA
A
TRAY CHASSIS
S4
S4
H.V. CBA
L1


ANODE CAP
S11
CRT CBA
S11
S11
S11


ANODE
CRT
GND
SPEAKER
CL501B
CL504B
FOCUS
SCREEN
JK501
CN501
CRT CBA
JK702
CN802
SW201
CN471
CN303
CN851
CN304
CN603
HEADPHONE
JACK
CN202
CN991
MAIN CBA
TUNER
TO DEW SENSOR
CL1602
To DEGAUSSING
COIL
CN1601
WH1951
POWER SUPPLY CBA
TO SCREEN
TO FOCUS
TO ANODE
CL502A
CL501A
CN571
H/V CBA
CL503A

Disassembly Method (CCA252)

STEP/LOC. NO.	PART	REMOVAL		
		FIG. NO.	REMOVE/*UNLOCK/ RELEASE/UNPLUG/ UNCLAMP/DESOLDER	NOTE
[1]	Rear Cabinet	1,2	6(S-1), 1(S-2)	1
[2]	Power Supply CBA	3,5	1(S-3) Anode Cap, CRT CBA, CN303, CN571, CN603	2
[3]	Tray Chassis	3	CN801	3
[4]	Deck Unit	3	6(S-4), 1(S-5), 1(S-6)	4
[5]	Main CBA	3,5	3(S-7), 1(S-8)	5
[6]	CRT	4	4(S-9)	6
—	—	—	—	—
[1]	**[2]**	**[3]**	**[4]**	**[5]**

Note:

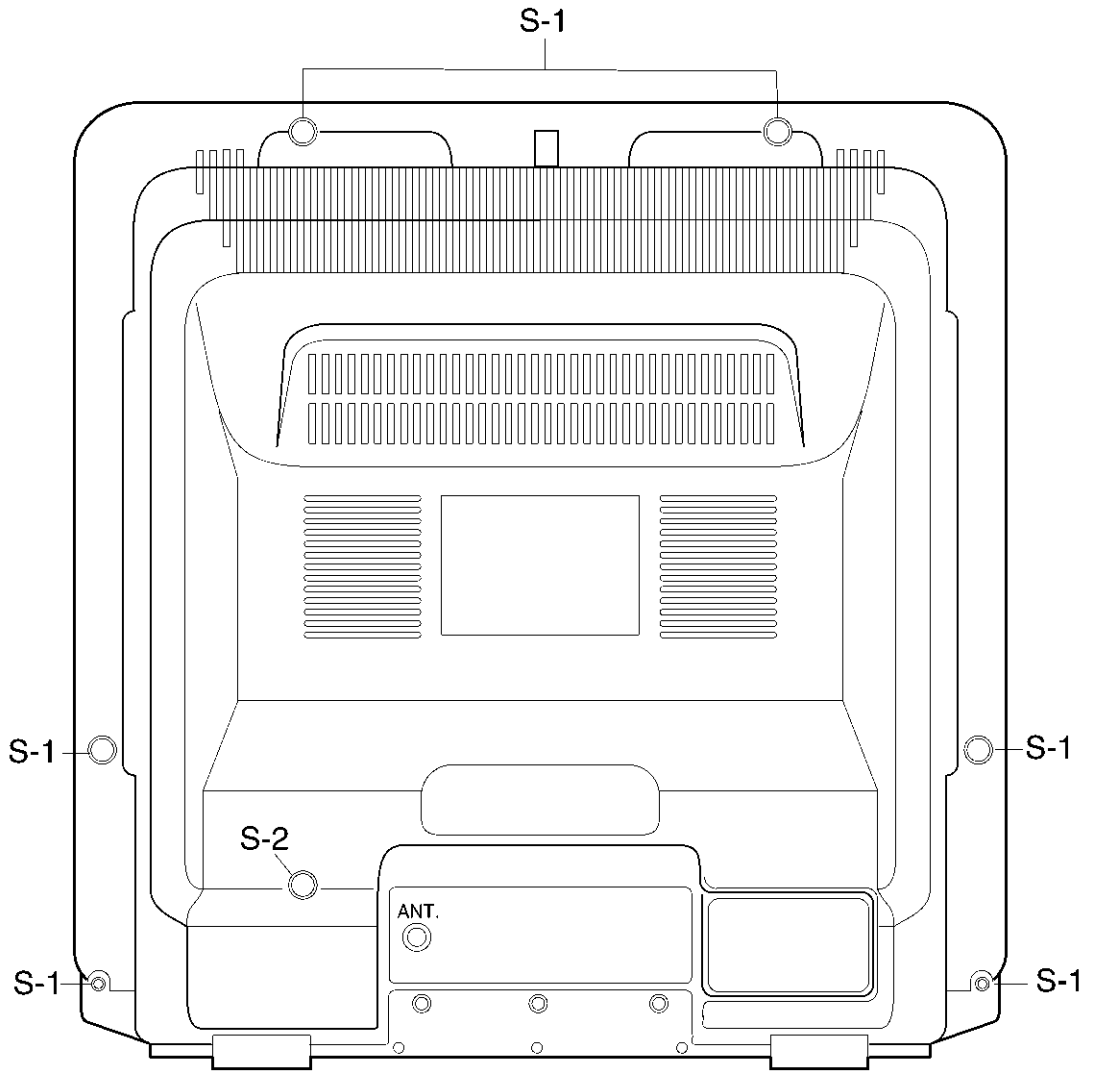
[1] Order of steps in Procedure. When reassembling, follow the steps in reverse order. These numbers are also used as the Identification (location) No. of parts in figures.
[2] Parts to be removed or installed.
[3] Fig. No. showing Procedure or Part Location
[4] Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered. S=Screw, P=Spring, L=Locking Tab, CN=Connector, *=Unhook, Unlock, Release, Unplug, or Desolder e.g., 2(S-2) = two Screws (S-2)
[5]. Refer to the following "Reference Notes in the Table."

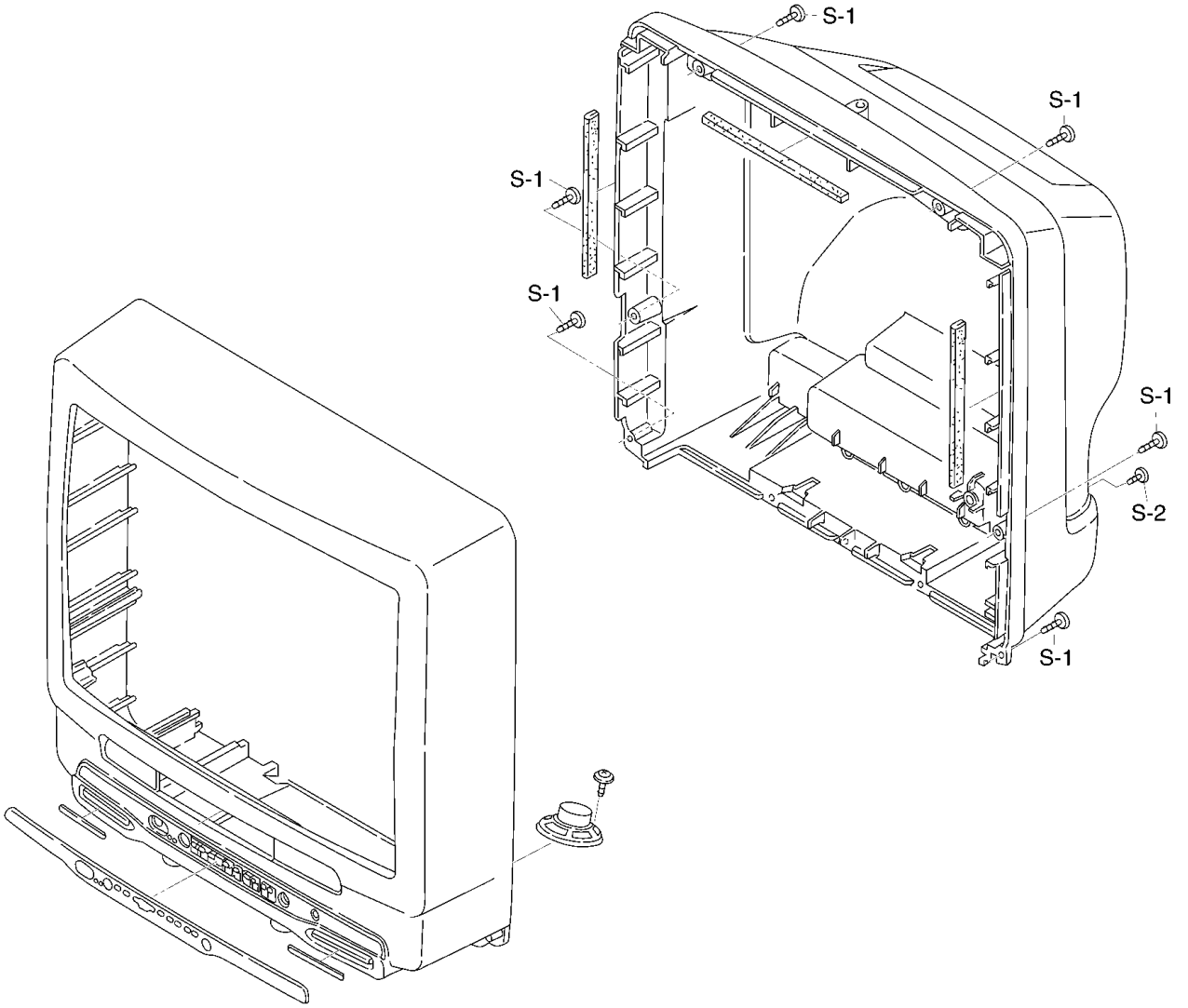
Reference Notes in the Table

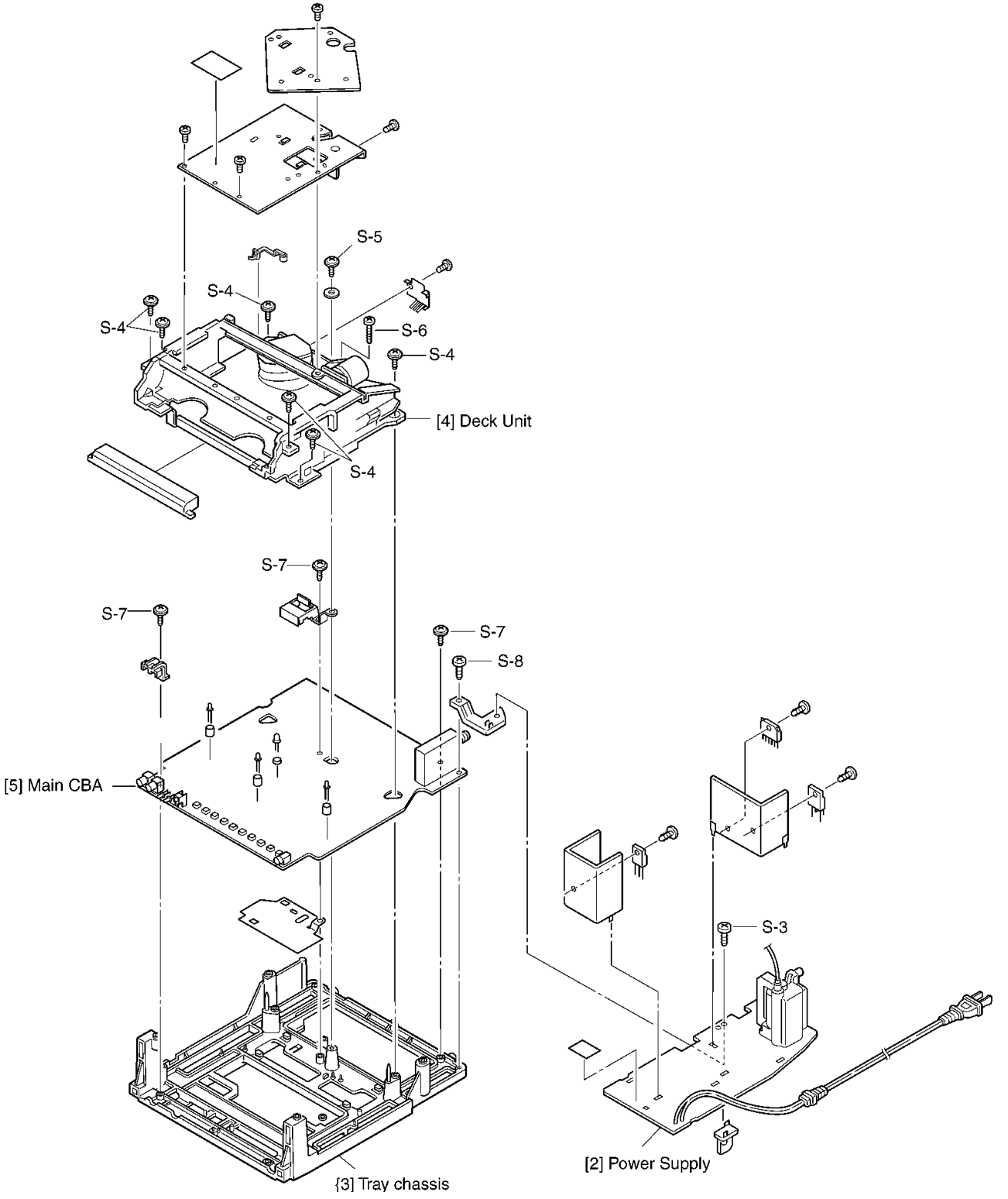
1. Removal of the Rear Cabinet. Remove screws 6(S-1) and 1(S-2).

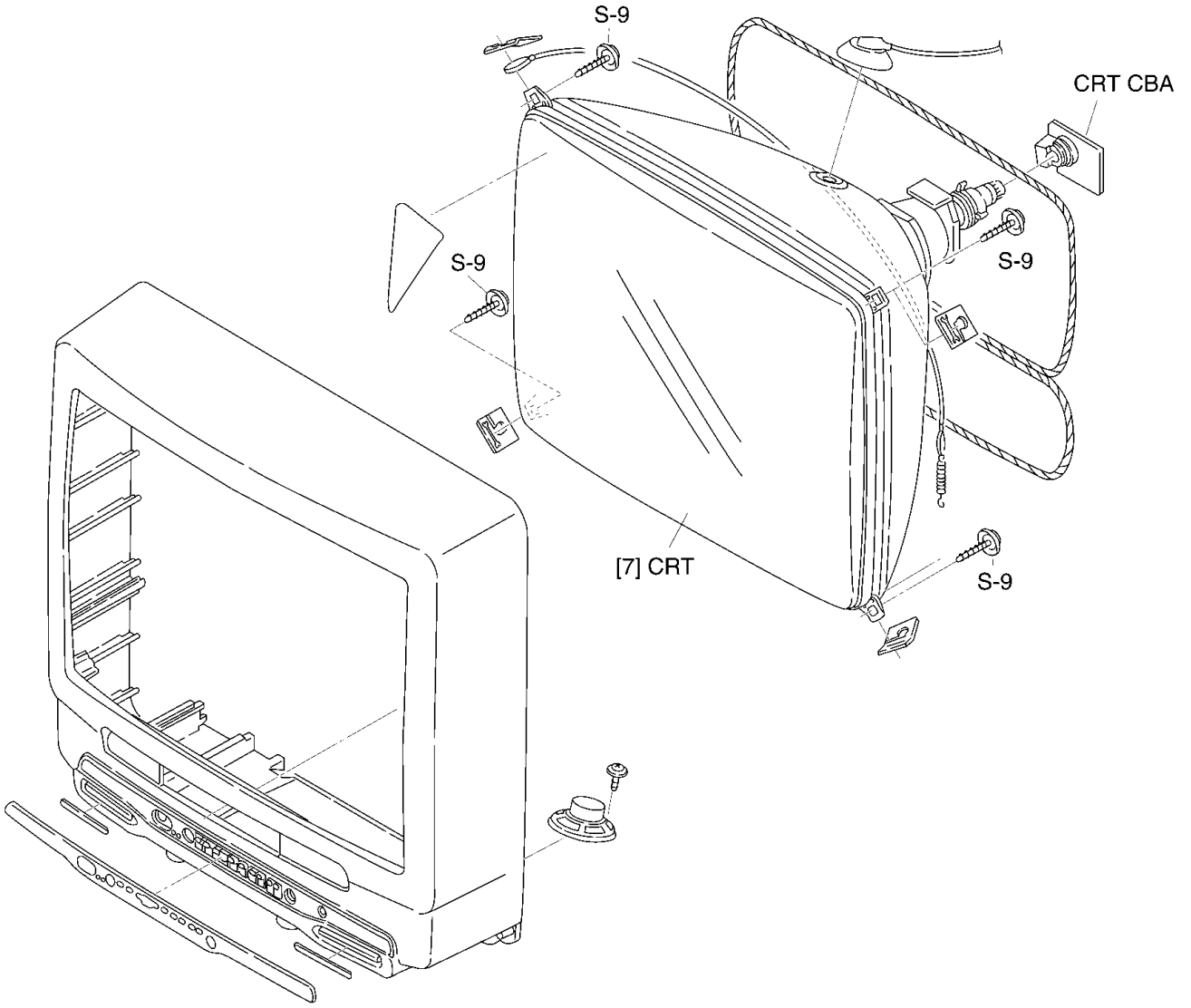
   Caution!
   Discharge the Anode Lead of the CRT with the CRT Ground Wire before removing the Anode Cap.

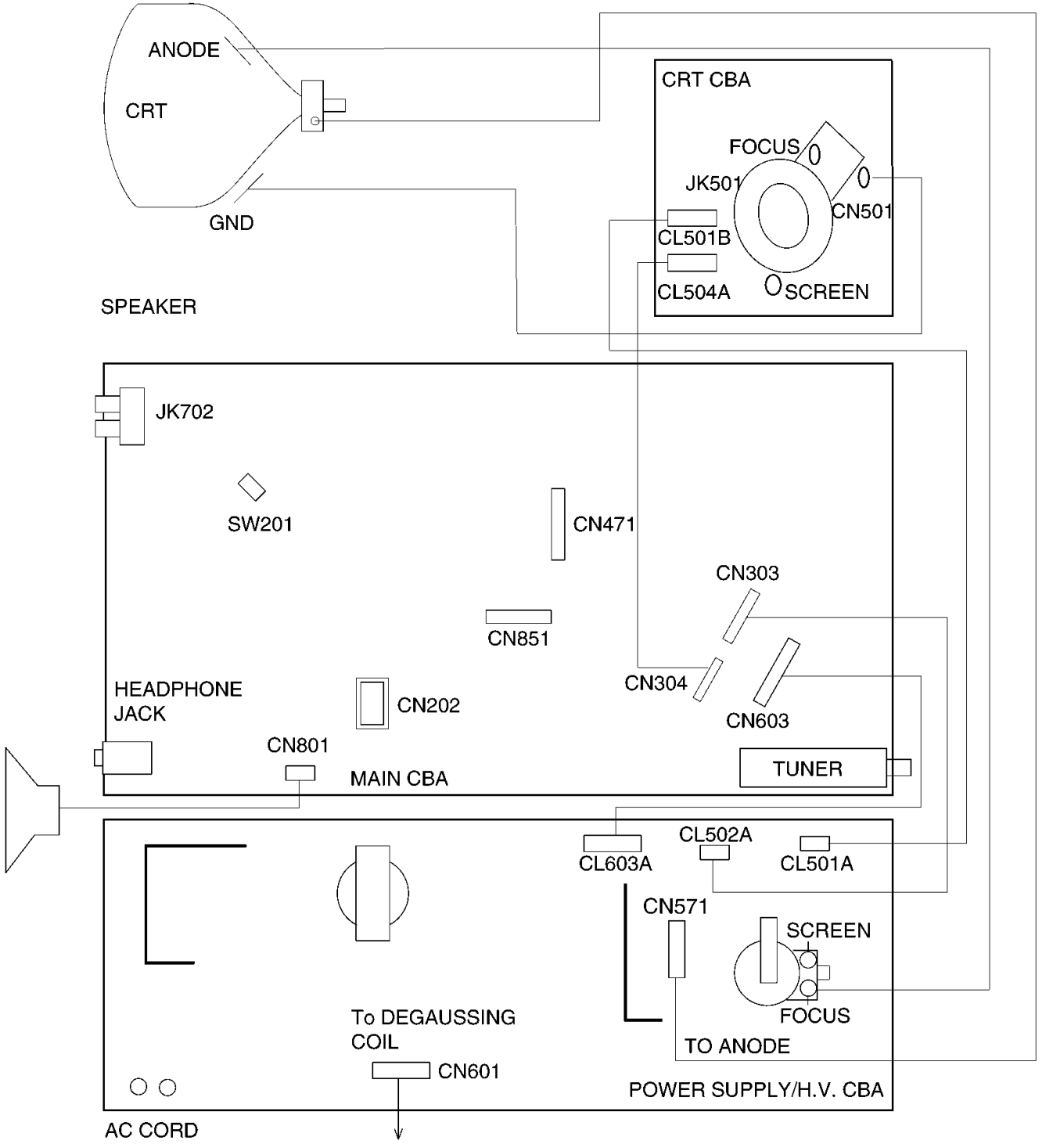
2. Removal of the Power Supply CBA. Discharge the Anode Lead of the CRT with the CRT Ground wire before removing the Anode Cap.
   Disconnect the following: Anode Cap, CRT CBA, CN303, CN571, CN602.
   Remove 1(S-3).
3. Removal of the Tray chassis. Disconnect CN801. Pull the Tray chassis backward.
4. Removal of the Deck Unit. Remove 6(S-4), 1(S-5) and 1(S-6). Lift up the Deck Unit.
5. Removal of the Main CBA. Remove 3(S-7) and 1(S-8). Pull the Main CBA.
6. Removal of the CRT. Remove 4(S-9) and pull the CRT backward.


S-1
S-1
S-1
S-2
ANT.
S-1
S-1


S-1
S-1
S-1
S-1
S-1
S-2
S-1


S-5
S-4
S-4
S-6
S-4
[4] Deck Unit
S-4
S-7
S-7
S-7
S-8
[5] Main CBA
S-3
[2] Power Supply
[3] Tray chassis


S-9
CRT CBA
S-9
S-9
[7] CRT
S-9


ANODE
CRT
GND
CRT CBA
FOCUS
JK501
CN501
CL501B
CL504A
SCREEN
SPEAKER
JK702
SW201
CN471
CN303
CN851
CN304
CN603
HEADPHONE
JACK
CN202
CN801
MAIN CBA
TUNER
CL603A
CL502A
CL501A
CN571
SCREEN
FOCUS
To DEGAUSSING
COIL
TO ANODE
CN601
POWER SUPPLY/H.V. CBA
AC CORD

Disassembly Method (CCA255)

STEP/LOC. NO.	PART	REMOVAL		
		FIG. NO.	REMOVE/*UNLOCK/ RELEASE/UNPLUG/ UNCLAMP/DESOLDER	NOTE
[1]	Rear Cabinet	1,2	6(S-1), 1(S-2)	1
[2]	Power Supply CBA	3,5	1(S-3) Anode Cap, CRT CBA, CN303, CN571, CN603	2
[3]	Tray Chassis	3	CN801	3
[4]	Deck Unit	3	6(S-4), 1(S-5), 1(S-6)	4
[5]	Main CBA	3,5	2(S-7), 1(S-8)	5
[6]	CRT	4	4(S-9)	6
—	—	—	—	—
[1]	**[2]**	**[3]**	**[4]**	**[5]**

Note:

[1]. Order of steps in Procedure. When reassembling, follow the steps in reverse order. These numbers are also used as the Identification (location) No. of parts in figures.

[2] Parts to be removed or installed.

[3] Fig. No. showing Procedure or Part Location

[4] Identification of part to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered. S=Screw, P=Spring, L=Locking Tab, CN=Connector, *=Unhook, Unlock, Release, Unplug, or Desolder
e.g., 2(S-2) = two Screws (S-2)

[5] Refer to the following ”Reference Notes in the Table.“

Reference Notes in the Table

1. Removal of the Rear Cabinet. Remove screws 6(S-1) and 1(S-2).

   Caution! Discharge the Anode Lead of the CRT with the CRT Ground Wire before removing the Anode Cap.

2. Removal of the Power Supply CBA. Discharge the Anode Lead of the CRT with the CRT Ground wire before removing the Anode Cap.
   Disconnect the following: Anode Cap, CRT CBA, CN303, CN571, CN602.
   Remove 1(S-3).
3. Removal of the Tray chassis. Disconnect CN801. Pull the Tray chassis backward.
4. Removal of the Deck Unit. Remove 6(S-4), 1(S-5) and 1(S-6). Lift up the Deck Unit.
5. Removal of the Main CBA. Remove 2(S-7) and 1(S-8). Pull the Main CBA.
6. Removal of the CRT. Remove 4(S-9) and pull the CRT backward.

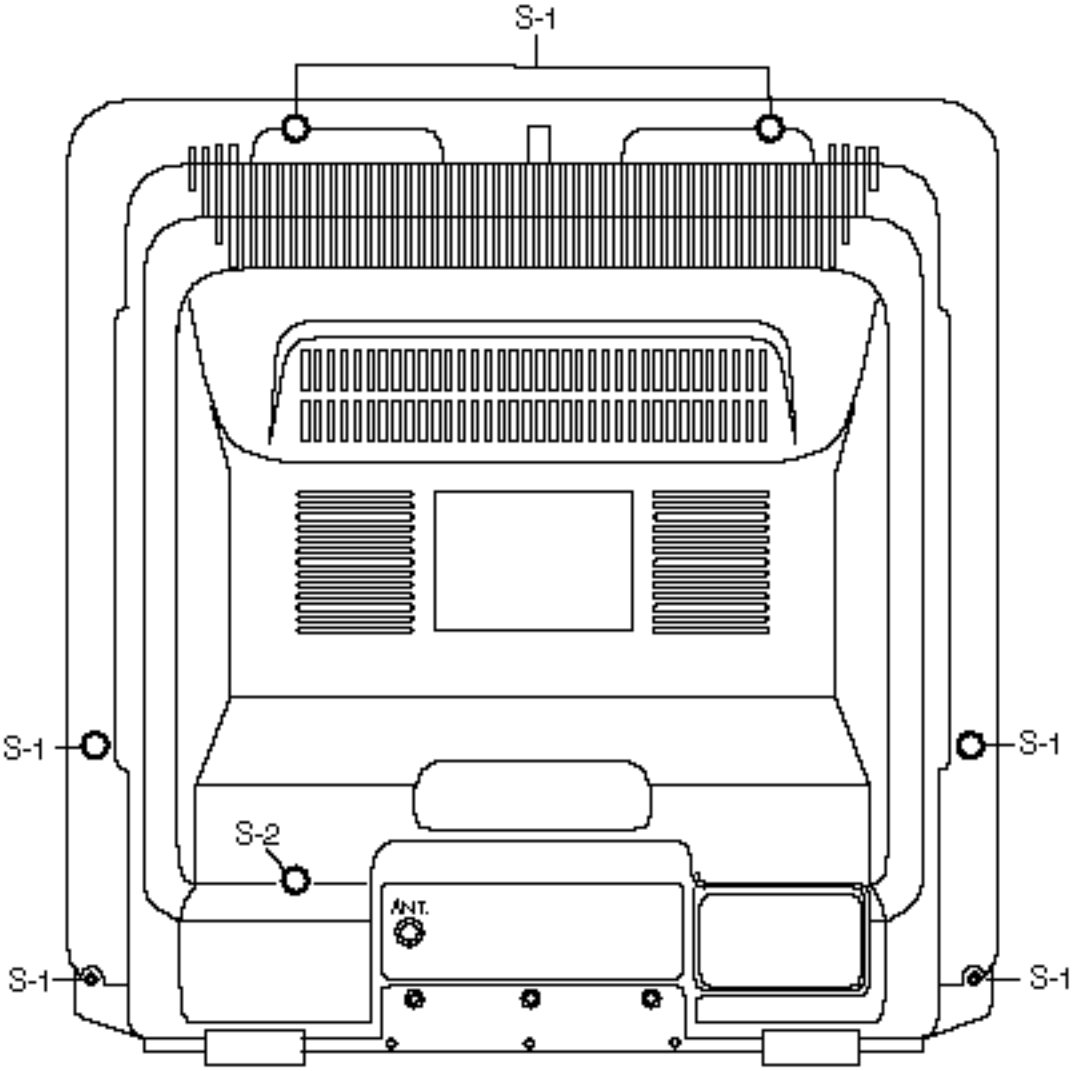
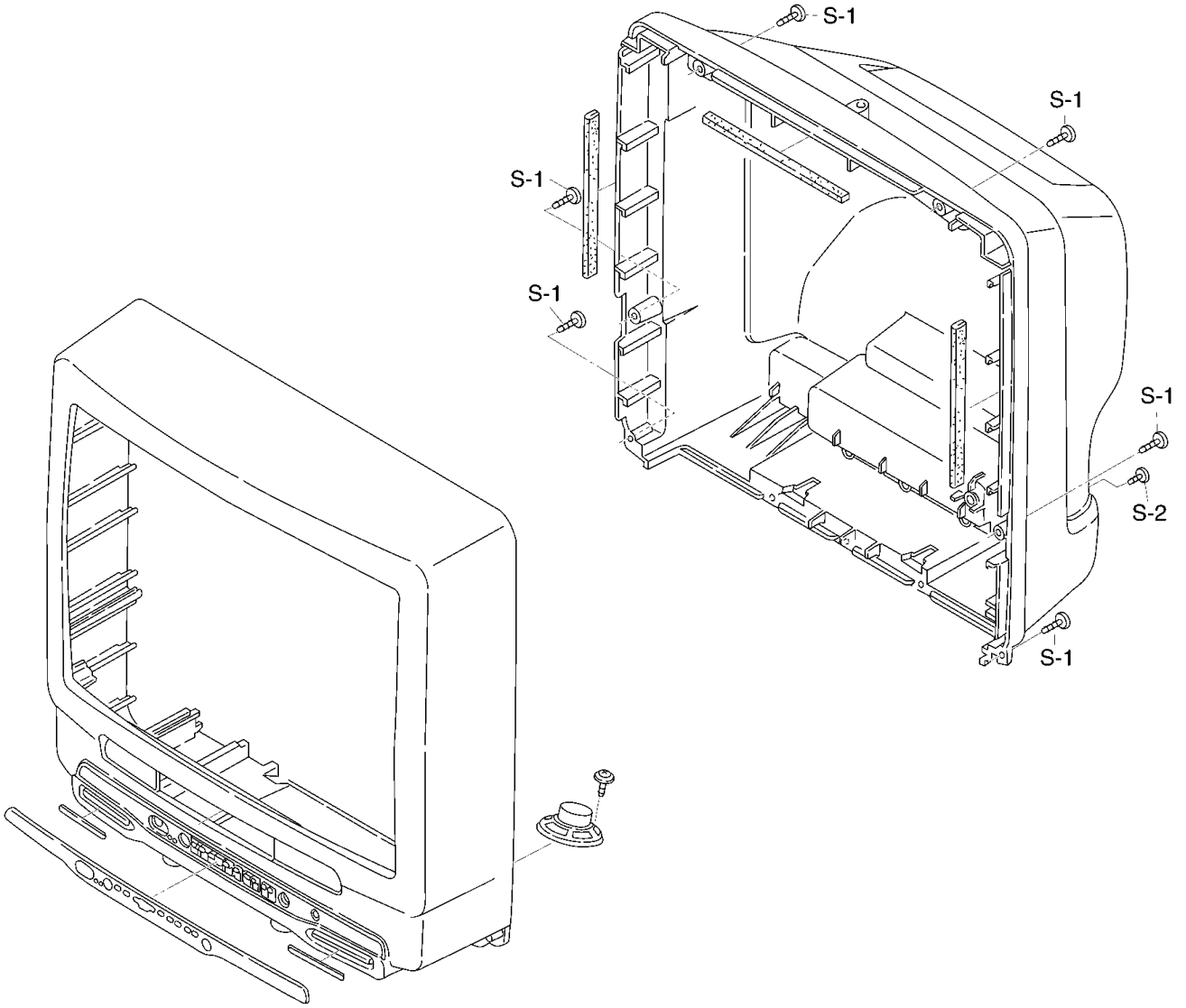


Fig. 1


S-1
S-1
S-1
S-1
S-1
S-2
S-1

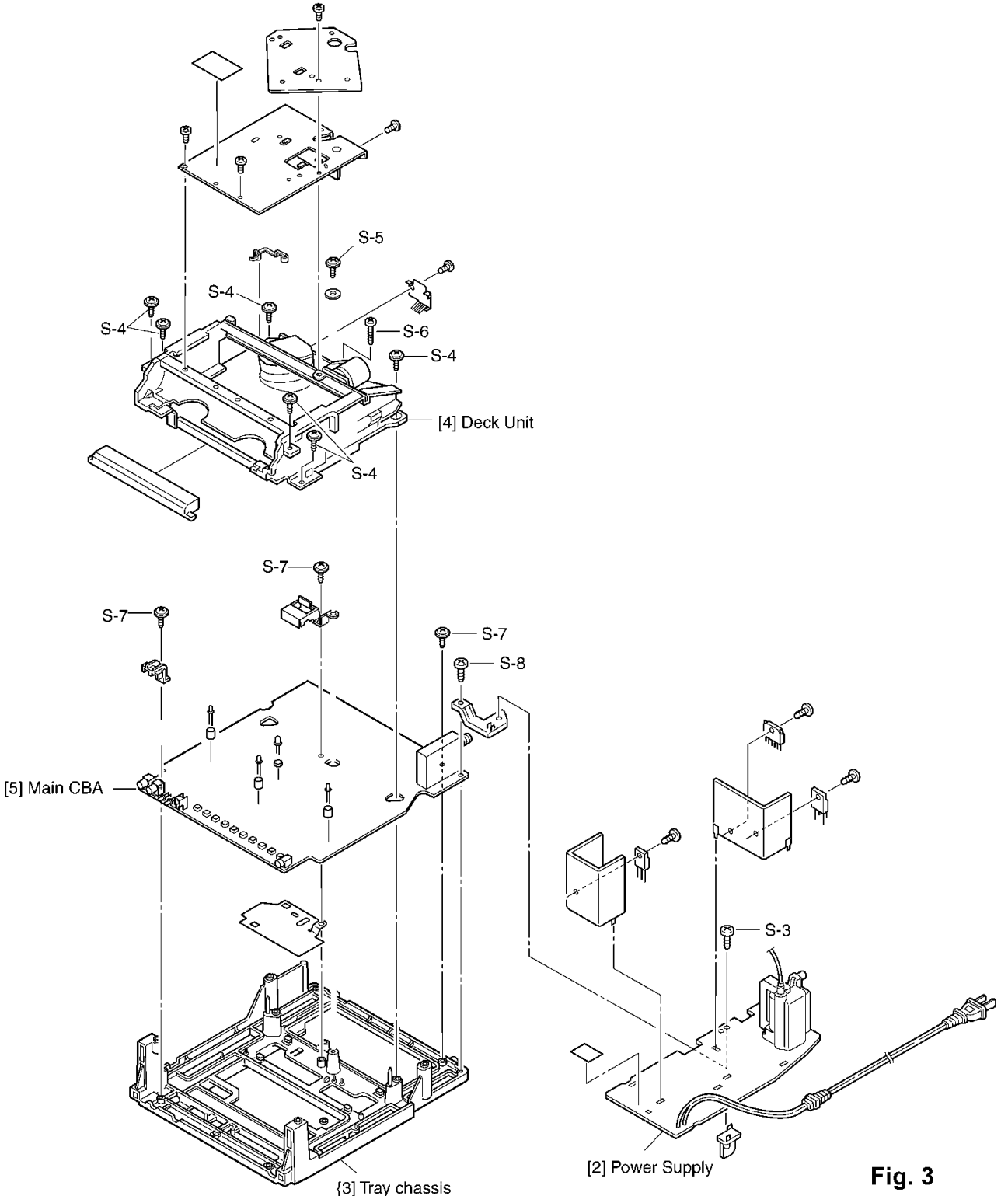

S-5
S-4
S-4
S-6
S-4
[4] Deck Unit
S-4
S-7
S-7
S-7
S-8
[5] Main CBA
S-3
[2] Power Supply
[3] Tray chassis

Fig. 3

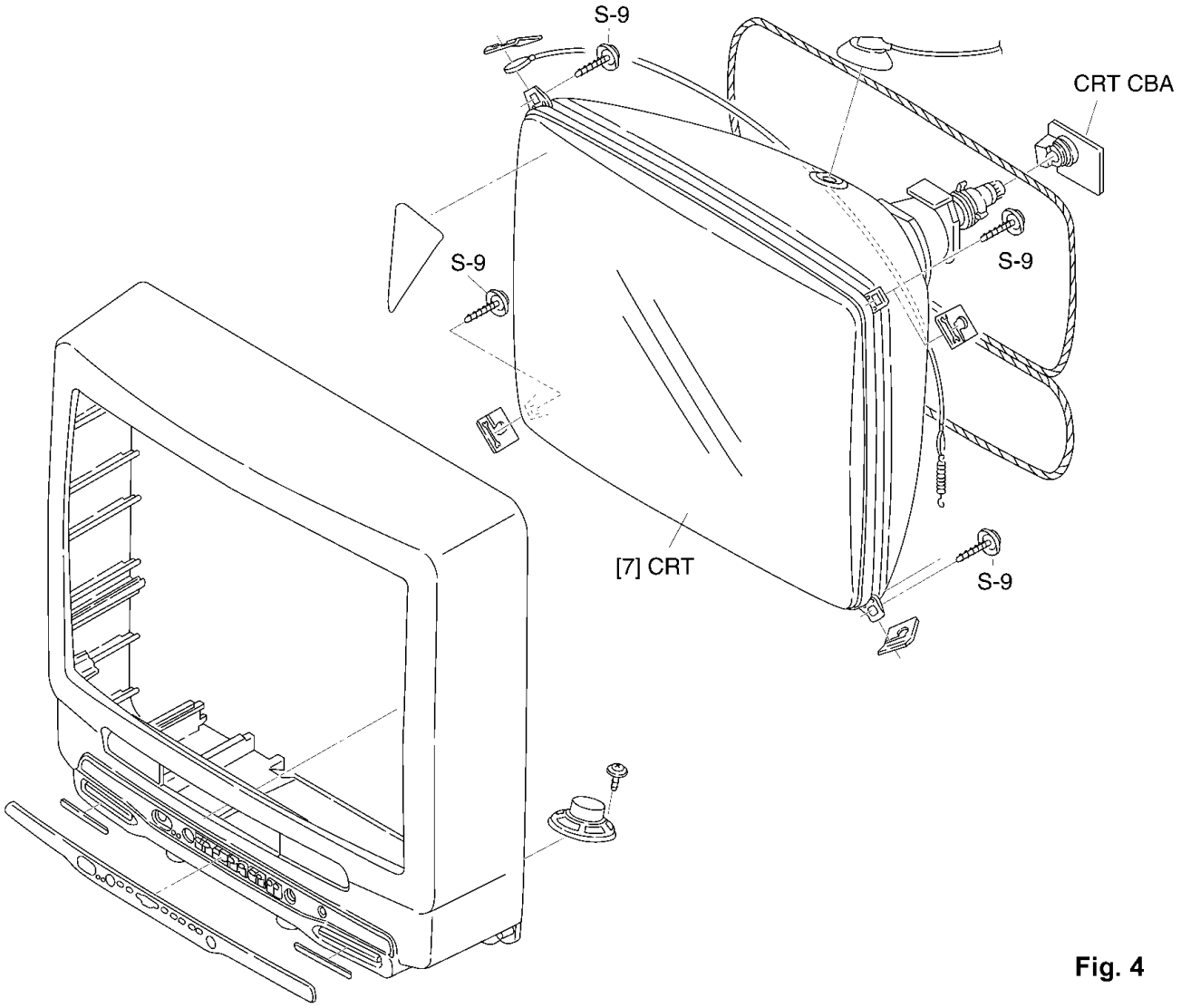
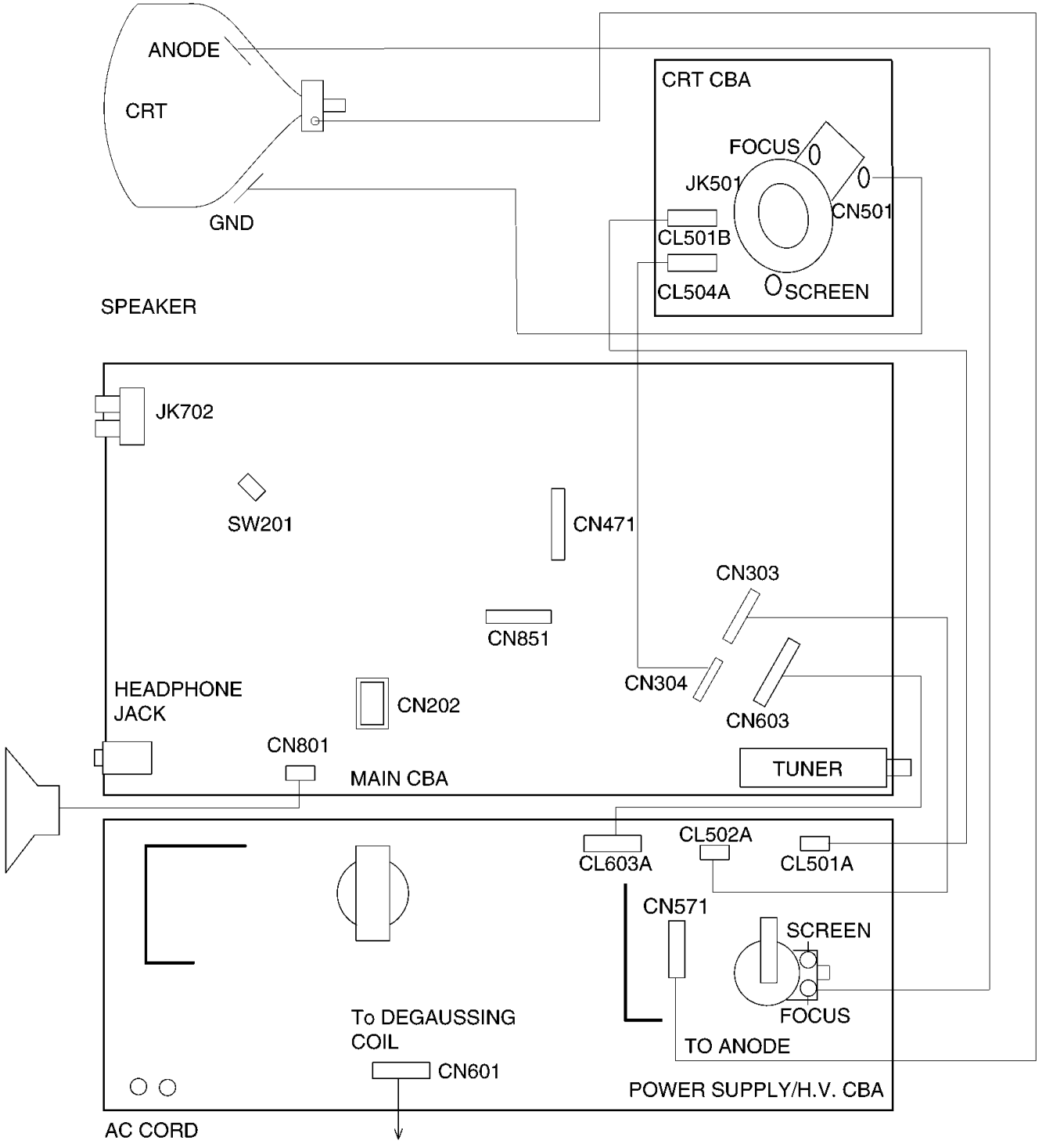


Fig. 4


ANODE
CRT
GND
CRT CBA
FOCUS
JK501
CN501
CL501B
CL504A
SCREEN
SPEAKER
JK702
SW201
CN471
CN303
CN851
CN304
CN603
HEADPHONE
JACK
CN202
CN801
MAIN CBA
TUNER
CL603A
CL502A
CL501A
CN571
SCREEN
FOCUS
To DEGAUSSING
COIL
TO ANODE
CN601
POWER SUPPLY/H.V. CBA
AC CORD

Front Loading Assembly

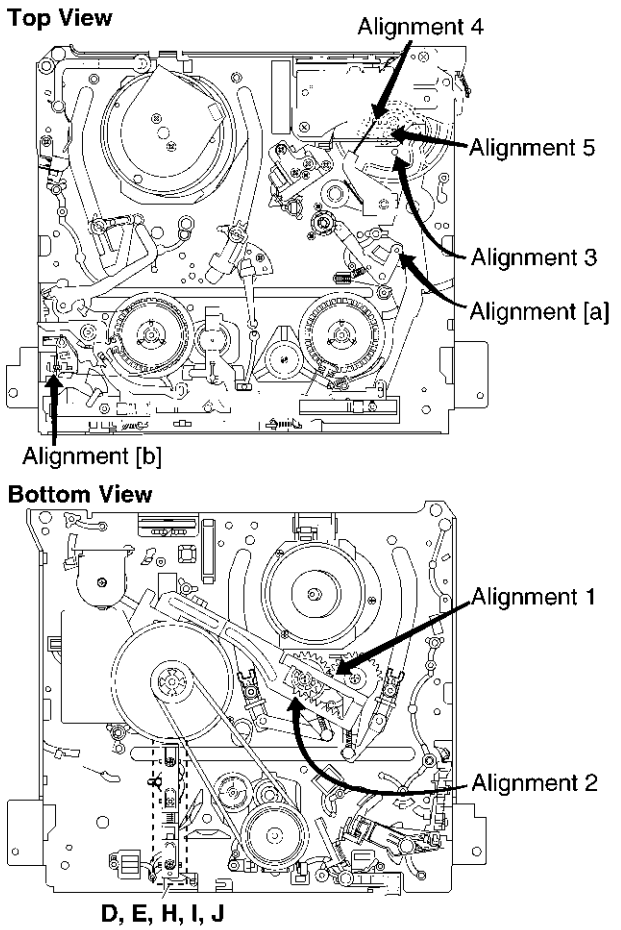
Before following the procedures described below, be sure to remove Front Loading Assembly from the main mechanism of the deck assembly. (See **Fig. DM1**.) When reassembling, start with the unit in Cassette-in mode and follow the steps in reverse order.

STEP/ LOC. No.	START-ING No.	PART		REMOVAL		INSTALLATION
				Fig. No.	REMOVE/*UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOLDER	ADJUSTMENT CONDITION
[1]	[1]	Guide Holder (F)	T	DM22	2(S-1)	
[2]	[1]	Guide Holder (R)	T	DM22	(L-1)	
*[3]	[3]	Slider Gear	R	DM22 DM23	2(L-2)	Eject Position
*[4]	[3]	Slider Gear	L	DM22 DM23	2(L-3)	Eject Position
		Slider Shaft	T	DM22 DM23		Eject Position
[5]	[1]	Cassette Plate sub Assembly	T	DM20 DM21 DM22	(S-2)	
[6]	[1]	Cassette Guide R	R	DM20 DM21 DM22		
[7]	[1]	Cassette Guide L	L	DM22		
[8]	[8]	Front Door Opener	R	DM22 DM23	(L-4)	Eject Position
[9]	[9]	Rack	R	DM20 DM21 DM22	(L-5)	Cassette in Position
[10]	[9]	Cassette Drive Gear (N)	R	DM20 DM21 DM22	(L-6), Cassette Drive Gear Spring	Cassette in Position
—	—	—	—	—	—	—
(1)	**(2)**	**(3)**	**(4)**	**(5)**	**(6)**	**(7)**

(1) Follow steps in sequence. When reassembling, follow the steps in reverse order. These numbers are also used as Identification (location) No. of parts in the figures.
(2) Indicates the part to start disassembling with in order to disassemble the part in column (1).
(3) Name of the part
(4) Location of the part: T=Top B=Bottom R=Right L=Left
(5) Figure Number
(6) Identification of parts to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered. P=Spring, W=Washer, C=Cut Washer, S=Screw, *=Unhook, Unlock, Release, Unplug, or Desolder. g., 2(L-2) = two Locking Tabs (L-2).
(7) Adjustment Information for Installation (+): Refer to Deck Exploded Views for lubrication.

***[3], *[4]:** Slider Gear in Step [3] and that in Step [4] are identical. However, they are divided into two steps because, before reassembling Slider Shaft, one Slider Gear must be preinstalled at either end of Slider Shaft.

ALIGNMENT PROCEDURES OF MECHANISM



Alignment [a] and [b] can be done independently of any other alignment

Fig. AL1

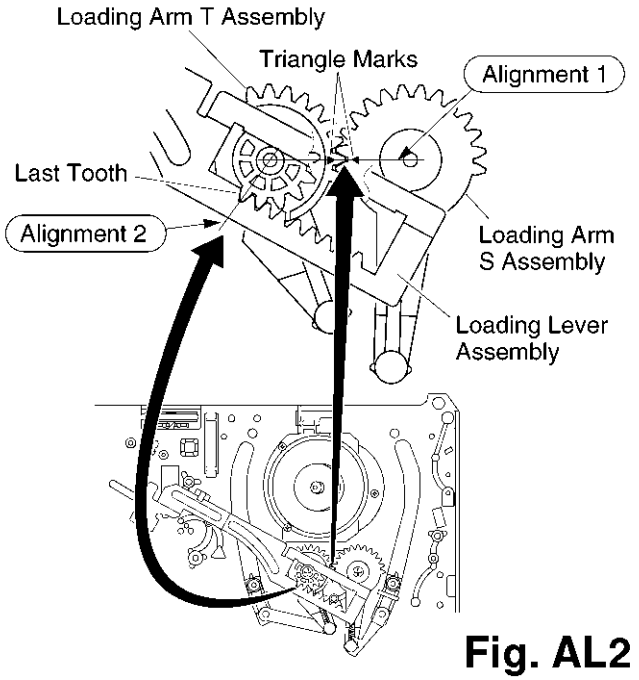


Fig. AL2

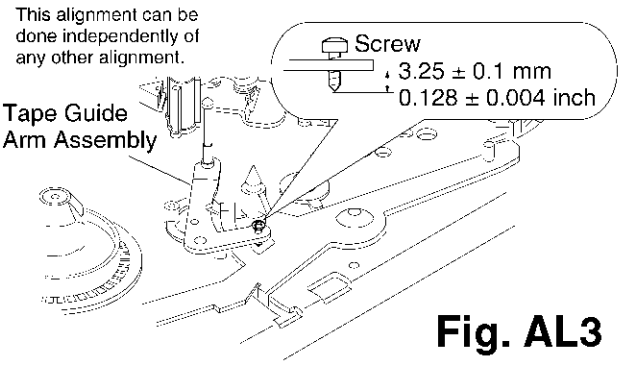


Fig. AL3

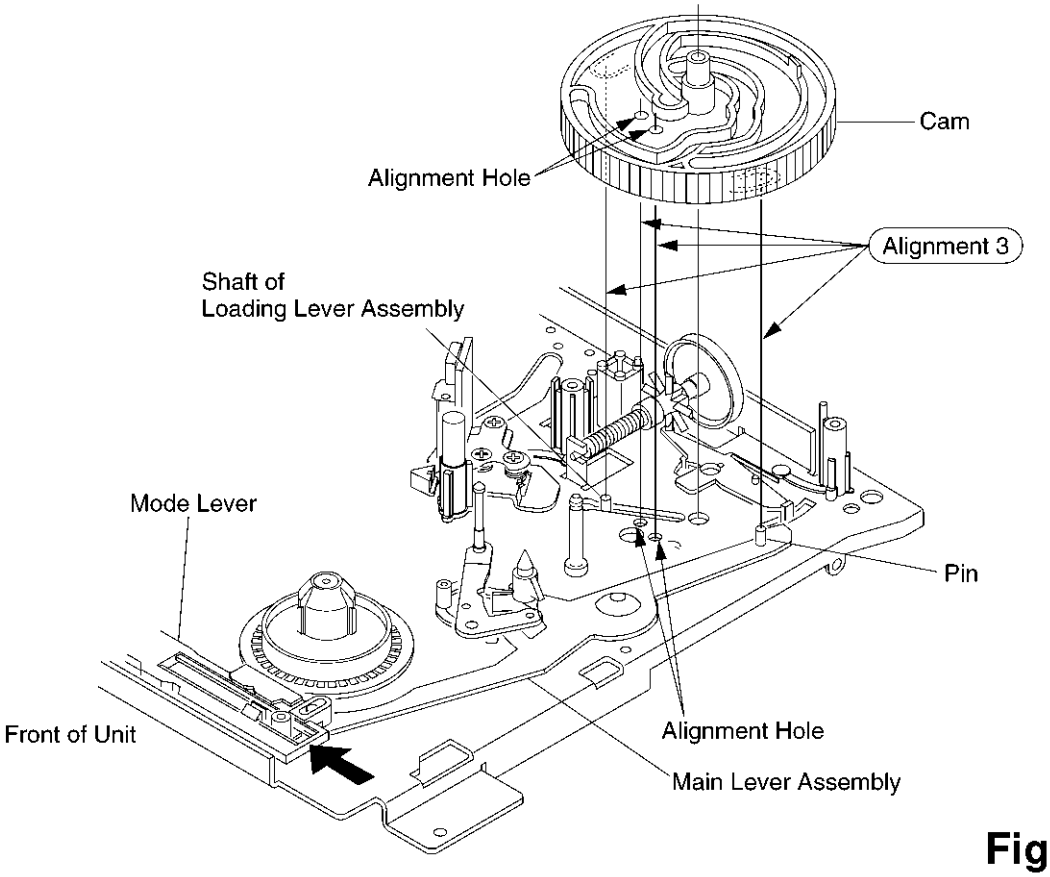

Cam
Alignment Hole
Alignment 3
Shaft of
Loading Lever Assembly
Mode Lever
Pin
Front of Unit
Alignment Hole
Main Lever Assembly

Fig. AL4

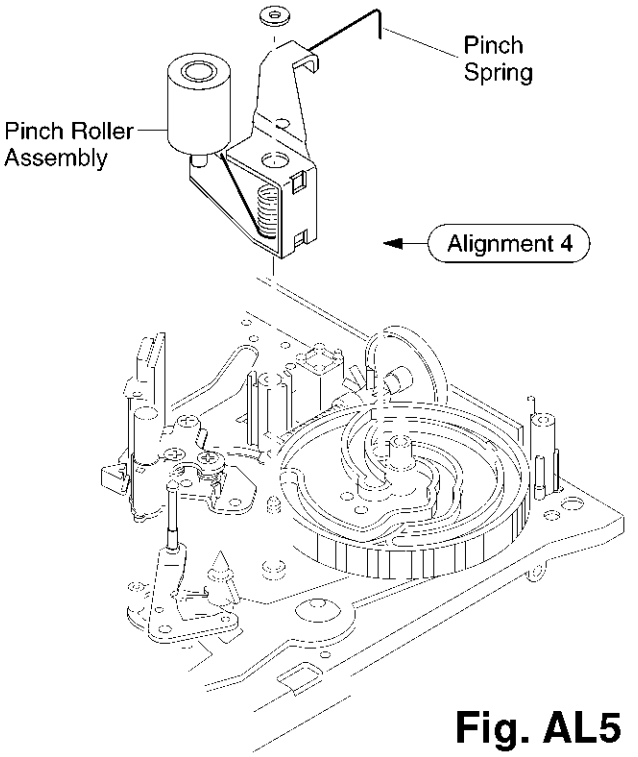


Fig. AL5

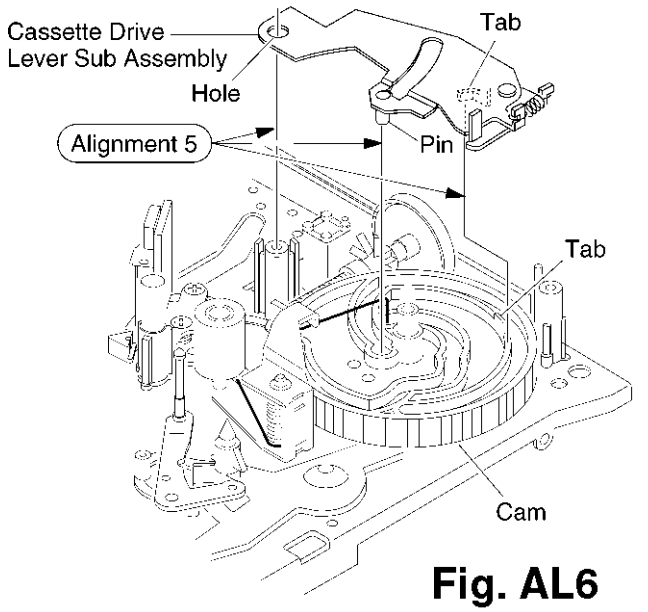


Fig. AL6

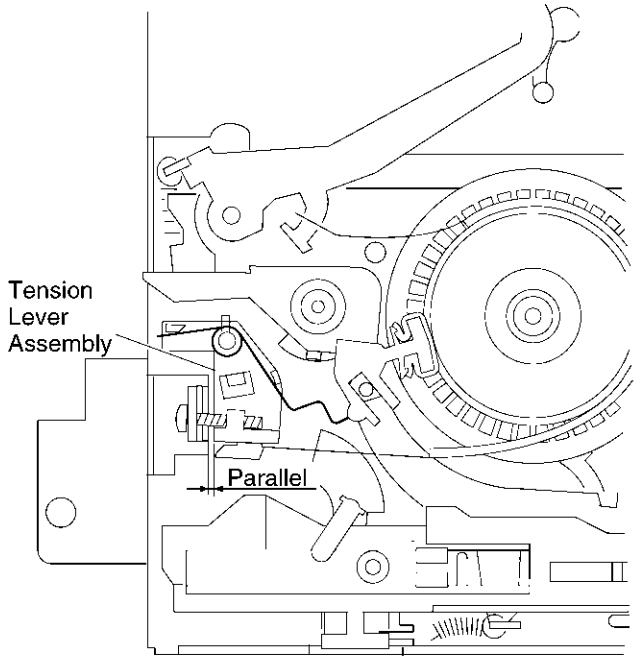


Fig. AL7

The following procedures describe how to align the individual gears and levers that make up the tape loading/unloading mechanism. Since information about the state of the mechanism is provided to the System Control Circuit only through the Mode Switch, it is essential that the correct relationship between individual gears and levers be maintained.
All alignments are to be performed with the mechanism in Eject mode, in the sequence given. Each procedure assumes that all previous procedures have been completed.

IMPORTANT:
If any one of these alignments is not performed properly, even if off by only one tooth, the unit will unload or stop and it may result in damage to the mechanical or electrical parts.
Alignment points in Eject Position

Alignment 1
Loading Arm, S and T Assembly
1. Install Loading Arm S and T Assembly so that their triangle marks point to each other as shown in **Fig. AL2**.

Alignment 2
Loading Lever Assembly
1. Keeping the two triangles pointing at each other, install the Loading Arm T Assembly so that the last tooth of the gear meets the most inside teeth of the Loading Lever Assembly. See **Fig. AL2**.

Alignment [a]
Tape Guide Arm Assembly
1. Measurement of the screw must be as specified in **Fig. AL3**.

Alignment 3

Cam

1. Make sure that the mechanism is in Eject mode so that the shaft of Loading Lever Assembly is in the position shown in **Fig. AL4**.
2. Align the alignment hole of the Cam with the alignment hole of the base, holding the Cam just above the base.
3. Carefully keeping these two holes aligned, push Mode Lever in the direction of the arrow to install the Cam. The Mode Lever must be pushed to make the pin on the Main Lever Assembly fit in the proper groove in the lower Cam.
4. After installing the Cam, make sure that the alignment hole of the Cam is still aligned with the base hole and that the pin on the Main Lever Assembly and the shaft of the Loading Lever Assembly are inserted into the proper grooves of the lower Cam as specified in **Fig. AL4**.

Alignment 4

Pinch Roller Assembly

1. Ensure that the Spring of the Pinch Roller Arm Assembly is positioned in the end of the groove of the upper Cam as shown in **Fig. AL5**.

Alignment 5

Cassette Drive Lever Sub Assembly

1. Ensure that the pin of the Cassette Drive Lever Sub Assembly is positioned in the groove of the upper Cam and that the hole is positioned as shown in **Fig. AL6**. Then, make sure that the tab of the Cassette Drive Lever Sub Assembly is outside of the tab of the Cam.

Alignment [b]

This alignment can be performed independently of any other alignment.

Tension Lever Assembly

1. Ensure that Tension Lever Assembly is positioned parallel to the chassis' notch as shown in **Fig. AL7**. This measurement can be made by eye.

Notes:

1. To do these alignment procedures, make sure that the Tracking Control Circuit is set to the center position every time a tape is loaded or unloaded. (Refer to page 2-3-4, procedure 1-C, step 2.)
2. Remove the Guide Holder R before beginning alignment procedures.(Refer to page 2-4-9. **Fig: DM22**).

Equipment required:

Dual Trace Oscilloscope
VHS Alignment Tape (VFMS0001H6)
Guide Roller Adj. Screwdriver
X-Value Adj. Screwdriver

MECHANICAL ALIGNMENT PROCEDURES

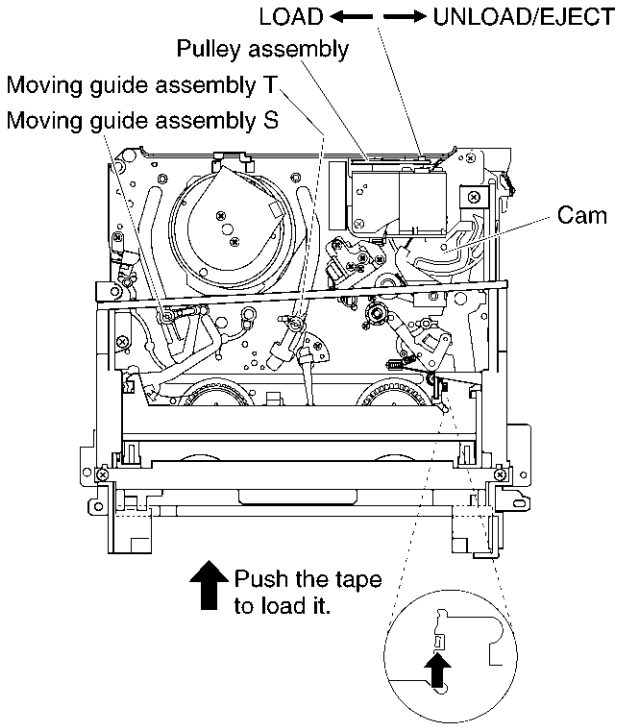


Fig. M1

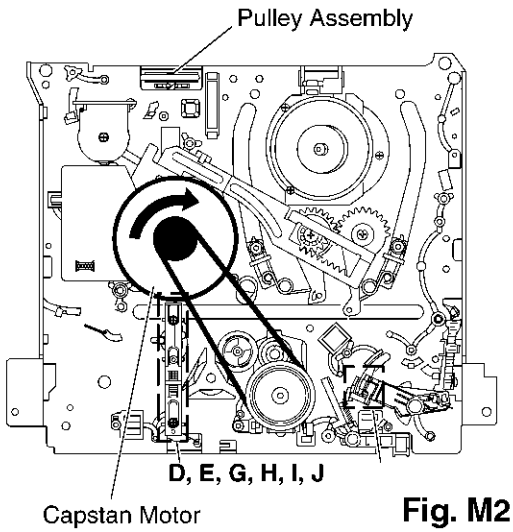


Fig. M2

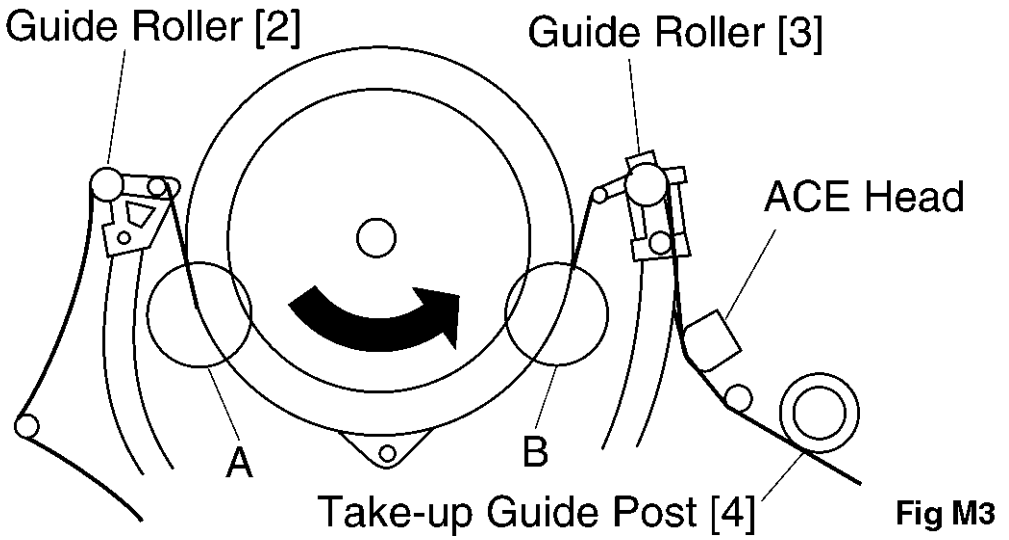

Guide Roller [2]
Guide Roller [3]
ACE Head
A
B
Take-up Guide Post [4]

Fig M3

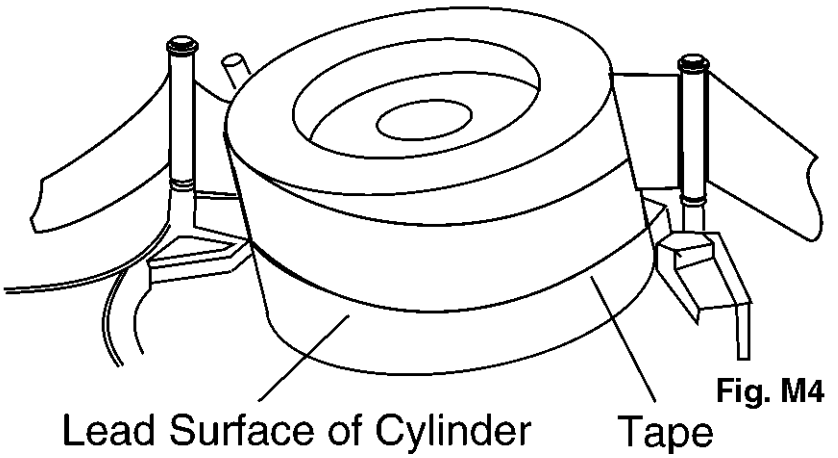

Lead Surface of Cylinder
Tape

Fig. M4

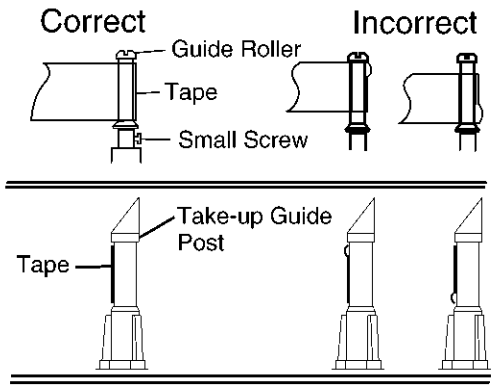


Fig. M5

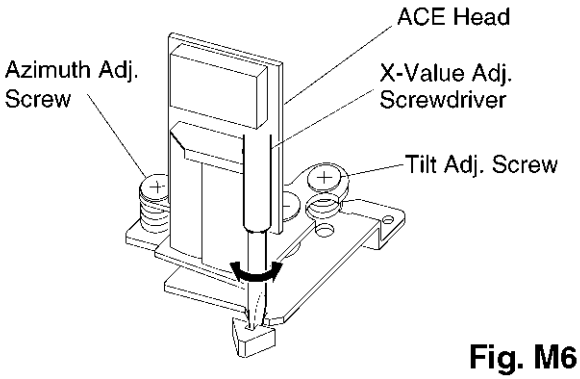


Fig. M6

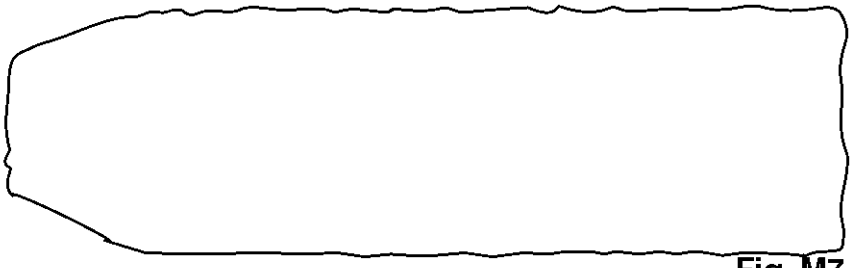


Fig. M7

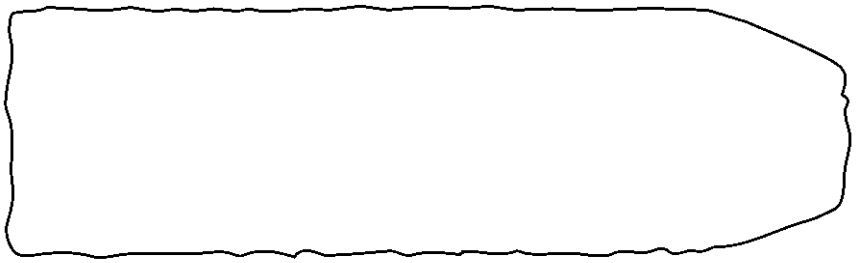


Fig. M8

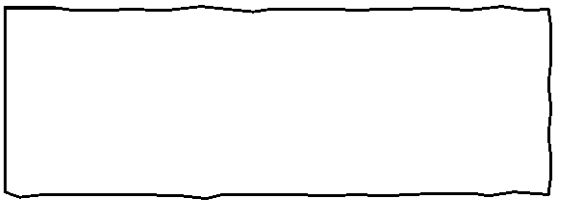


Fig. M9

Explanation of alignment for the tape to correctly run starts on the next page. Refer to the information below on this page if a tape gets stuck, for example, in the mechanism due to some electrical trouble of the unit.

Service Information

A. Method for Manual Tape Loading/Unloading

To load a cassette tape manually:

1. Disconnect the AC plug.
2. Remove the Top Cover.
3. Insert a cassette tape. Though the tape will not be automatically loaded, make sure that the cassette tape is all the way in at the inlet of the Cassette Holder. To confirm this, lightly push the cassette tape further in and see if the tape comes back out, by a spring motion, just as much as you have pushed in.
4. Turn the Pulley Assembly in the appropriate direction shown in **Fig. M1** until the cassette tape is fully loaded. By turning the Pulley Assembly, you are turning the cam indicated in this figure. However, movement of the cam will be very slow. Allow a minute or two to complete this task.

To unload a cassette tape manually:

1. Disconnect the AC plug.
2. Remove the Top Cover.
3. Turn the Pulley Assembly in the appropriate direction shown in **Fig. M1** to unload the cassette tape. When turning the Pulley Assembly, please be aware that this is a long process and the cassette will not start getting unloaded instantaneously. Within this long process, before the cassette actually starts getting unloaded, there is a time period during which the moving guide assemblies slide back to their original positions shown in **Fig. M1**. However, the tape will be left wound around the cylinder. To put the tape back into the cassette, gently turn the Capstan Motor in the direction shown in **Fig. M2**. Make sure that the tape is completely placed back in the cassette before the cassette starts getting unloaded. Otherwise the tape hanging out will be caught and damaged by the lid of the cassette when it closes. By turning the Pulley Assembly, you are turning the cam indicated in **Fig. M1**. As stated, movement of the cam will be very slow. Allow a minute or two to complete this task.

Method to place the Cassette Holder in the tape-loaded position without a cassette tape

1. Disconnect the AC Plug.
2. Remove the Top Cover.
3. Turn the Pulley Assembly in the appropriate direction shown in **Fig. M1**. Release the locking tabs shown in Fig. M1 and continue turning the Pulley Assembly until the Cassette Holder comes to the tape-loaded position. Allow a minute or two to complete this task.

Notes:

1. To do these alignment procedures, make sure that the Tracking Control Circuit is set to the center position every time a tape is loaded or unloaded. (Refer to page 2-3-4, procedure 1-C, step 2.)

2. Remove the Guide Holder R before begining alignment procedures.(Refer to page 2-4-9. **Fig: DM22**).

Equipment required:

Dual Trace Oscilloscope
VHS Alignment Tape (VFMS0001H6)
Guide Roller Adj. Screwdriver
X-Value Adj. Screwdriver

Note: Before starting this Mechanical Alignment, do all Electrical Adjustment procedures.

1-A. Preliminary/Final Checking and Alignment of Tape Path

Purpose:
To make sure that the tape path is well stabilized.

Symptom of Misalignment:
If the tape path is unstable, the tape will be damaged.

Note: Do not use an Alignment Tape for this procedure. If the unit is not correctly aligned, the tape may be damaged.

1. Play back a blank cassette tape and check to see that the tape runs without creasing at Guide Rollers [2] and [3], and at points A and B on the lead surface. (Refer to **Fig M3** and **M4**.)
2. If creasing is apparent, align the height of the guide rollers by turning the top of Guide Rollers [2] and [3] with a Guide Roller Adj. Screwdriver. (Refer to **Fig. M3** and **M5**.)Note: Beneath each Guide Roller, there is a small screw. (Refer to **Fig. M5**.) This screw works to apply adequate torque to the shaft of each Guide Roller so that the Guide Roller turns properly. Even when adjusting the height of the Guide Roller(s), do not touch these two small screws.
3. Check to see that the tape runs without creasing at Take-up Guide Post [4] or without snaking between Guide Roller [3] and ACE Head.(**Fig. M3** and **M5**)
4. If creasing or snaking is apparent, adjust the Tilt Adj. Screw of the ACE Head. (**Fig. M6**)

1-B. X Value Alignment

Purpose:
To align the horizontal position of the Audio/Control/Erase Head.
Symptom of Misalignment:
If the horizontal position of the Audio/Control/Erase Head is not properly aligned, maximum envelope cannot be obtained at the Neutral position of the Tracking Control Circuit.

1. Connect the oscilloscope to J148 [**Models A~E,J**] or J232 [**Models F~I**] (V-ENV) and J150 [**Models A~E,J**] or J230 [**Models F~I**] (CTL) on the Main CBA. Use J225 [**Models A~E,J**] or J283 [**Models F~I**] (RF-SW) as a trigger.
2. Play back the Gray Scale of the Alignment Tape (VFMS0001H6) and confirm that the PB FM signal is present.
3. Set the Tracking Control Circuit to the center position by pressing the CH UP button then the PLAY button on the VCR. (Refer to note on bottom of page 2-3-4.)
4. Use the X-Value Adj. Screwdriver so that the PB FM signal at J148 [**Models A~E,J**] or J232 [**Models F~I**] (V-ENV) is maximum. (**Fig. M6**)
5. Press the CH UP button on VCR until the CTL waveform has shifted by approx. +2msec. Make sure that the envelope is simply attenuated (shrinks in height) during this process so that you will know the envelope has been at its peak.

6. Press the CH DOWN button on the VCR until the CTL waveform has shifted from its original position (not the position achieved in step 5, but the position of CTL waveform in step 4) by approximately -2msec. Make sure that the envelope is simply attenuated (shrinks in height) once CTL waveform passes its original position and is further brought in the minus direction.
7. Set the Tracking Control Circuit to the center position by pressing the CH UP button and then the PLAY button on the VCR.

1-C. Checking/Adjustment of Envelope Waveform

Purpose:
To achieve a satisfactory picture and precise tracking.

Symptom of Misalignment:
If the envelope output is poor, noise will appear in the picture. The tracking will then lose precision and the playback picture will be distorted by any slight variation of the Tracking Control Circuit.

1. Connect the oscilloscope to J148 [**Models A~E,J**] or J232 [**Models F~I**] (V-ENV) on the Main CBA. Use J225 [**Models A~E,J**] or J283 [**Models F~I**] (RF-SW) as a trigger.
2. Play back the Gray Scale on the Alignment Tape (VFMS0001H6). Set the Tracking Control Circuit to the center position by pressing the CH UP and then the PLAY button on the VCR. Adjust the height of Guide Rollers [2] and [3] (**Fig. M3**, Page 2-3-3) watching the oscilloscope display so that the envelope becomes as flat as possible. To do this adjustment, turn the top of the Guide Roller with the Guide Roller Adj. Screwdriver.
3. If the envelope is as shown in **Fig. M7**, adjust the height of Guide Roller [2] (Refer to **Fig. M3**) so that the waveform looks like the one shown in **Fig. M9**.
4. If the envelope is as shown in **Fig. M8**, adjust the height of Guide Roller [3] (Refer to **Fig. M3**) so that the waveform looks like the one shown in **Fig. M9.**
5. When Guide Rollers [2] and [3] (Refer to **Fig. M3**) are aligned properly, there is no envelope drop either at the beginning or end of track as shown in **Fig. M9**.

Note: Upon completion of the adjustment of Guide Rollers [2] and [3] (Refer to **Fig. M3**), check the X Value by pushing the CH UP or DOWN buttons alternately, to check the symmetry of the envelope. Check the number of pushes to ensure center position. The number of pushes UP to achieve 1/2 level of envelope should match the number of pushes DOWN from center. If required, redo the ”X Value Alignment.“

1-D. Azimuth Alignment of Audio/Control/Erase Head

Purpose:
To correct the Azimuth alignment so that the Audio/Control/Erase Head meets tape tracks properly.

Symptom of Misalignment:
If the position of the Audio/Control/Erase Head is not properly aligned, the Audio S/N Ratio or Frequency Response will be poor.

1. Connect the oscilloscope to the audio output jack on the rear side of the deck.
2. Play back the alignment tape (VFMS0001H6) and confirm that the audio signal output level is 6 kHz.
3. Adjust Azimuth Adj. Screw so that the output level on the AC Voltmeter or the waveform on the oscilloscope is at maximum. (**Fig. M6**)

DISASSEMBLY/ASSEMBLY PROCEDURES OF DECK MECHANISM

Main Mechanism

Before following the procedures described below, be sure to:

1. Remove the deck assembly from the cabinet.(Refer to CABINET DISASSEMBLY INSTRUCTIONS on page 1-9-1.)
2. Remove Front Loading Assembly from the main mechanism of the deck assembly. (See Fig. **DM1**.)
3. First remove Step/Loc. No. [39], and start to remove other parts. (See Fig. **DM1**.)
4. Before Step/Loc. No. [2] and [9] first remove ACH Connector A, ACH Connector B, VH Connector A, and VH Connector B. (See Fig. **DM2**.)

All the following procedures, including those for adjustment and replacement of parts, should be done in Eject mode; see the positions of [37] and [38] in Fig. **DM3**. When reassembling, follow the steps in reverse order.

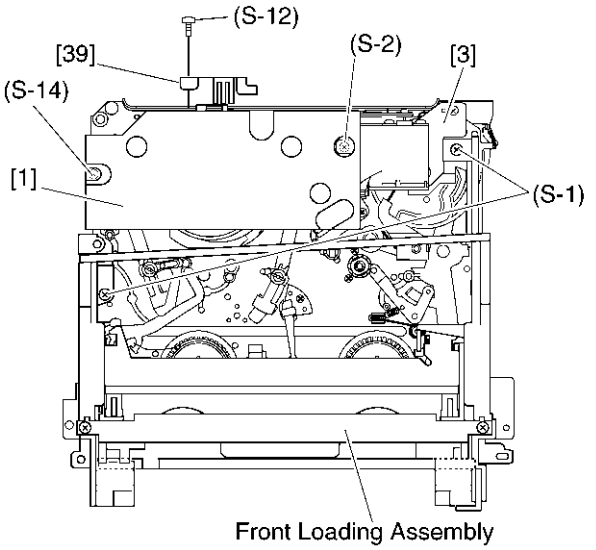
STEP/ LOC. No.	START-ING No.	PART		REMOVAL		INSTALLATION
				Fig. No.	REMOVE/*UNHOOK/ UNLOCK/RELEASE/ UNPLUG/DESOLDER	ADJUSTMENT CONDITION
[1]	[1]	Cylinder Shield	T	DM1	(S-2), (S-14)	
[2]	[2]	Loading Motor Assembly	T	DM2 DM3 DM5 DM6	(S-3), Loading BeltACH Connectors A and B, FFC Cable	
[3]	[2]	Motor Holder	T	DM1 DM3 DM5	2(S-4)	
[4]	[2]	Cassette Drive Lever Sub Assembly	T	DM3 DM5		(+) Refer to Alignment Sec. Pg. 2-4-10
[5]	[2]	Pinch Roller Assembly	T	DM3 DM5	(C-1)	Refer to Alignment Sec. Pg. 2-4-10
[6]	[6]	Mode SW CBA	B	DM4 DM5	(S-5), Desolder	
[7]	[2]	Cam	T	DM3 DM5		(+) Refer to Alignment Sec. Pg. 2-4-10
[8]	[2]	Pulley Assembly	T	DM3 DM6	(W-1), Loading Belt	(+)
[9]	[9]	Cylinder Assembly	TB	DM2 DM3 DM7	3(S-6), *VH Connectors A and B, FFC Cable	
[10]	[10]	FE Head	T	DM3 DM7	(S-7)	
[11]	[11]	ACE Head Assembly	T	DM2 DM3 DM8	(S-8), (S-16), FFC Cable	
[12]	[12]	Tape Guide Arm Assembly	T	DM3 DM8	*(P-0), *(L-1)	
[13]	[12]	Capstan Motor	BT	DM4 DM5 DM9 DM16	4(S-9), Capstan Belt, Radiator Plate, Desolder	
[14]	[14]	M Brake S Assembly	T	DM3 DM10	*(L-4)	

[15]	[15]	Tension Lever Assembly	T	DM3 DM10	*(L-2), *(L-3), *(P-1), *(P-2)	
[16]	[16]	Rec Arm	B	DM4 DM11	*(L-5)	
[17]	[17]	BT Arm	B	DM4 DM10 DM11	*(L-6), *(P-2)	
[18]	[17]	Holder Kick Arm	B	DM4 DM11	*(P-3)	
[19]	[17]	Tension Plate	B	DM4 DM11		
[20]	[17]	Mode Lever	T	DM3 DM12	*4(L-7), *(L-8), *Locking Tab	
[21]	[17]	Idler Assembly	T	DM3 DM13	(C-4)	
[22]	[15]	S Brake Lever	T	DM3 DM14	*(P-4), *(L-10)	
[23]	[17]	M Brake T sub Assembly	T	DM3 DM13	*(P-5), *(L-11)	
[24]	[15]	Reel S	T	DM3 DM14	Poly Slider Washer	(+) Base has slots.
[25]	[17]	Reel T	T	DM3 DM14	Poly Slider Washer	(+)
[26]	[26]	M Gear	T	DM3 DM14	(C-5)	
[27]	[2]	Main Lever Assembly	T	DM3 DM15		
[28]	[2]	M Lever Holder	T	DM3 DM15	*2(L-12)	
[29]	[29]	Clutch Assembly	B	DM4 DM16	(C-2), Capstan Belt, Poly Slider Washer	(+)
[30]	[29]	FF Arm	B	DM4 DM16	*2(L-13)	
[31]	[31]	Sensor Gear	B	DM4 DM17	(C-3)	
[32]	[32]	Main Lever Spring	T	DM3 DM8		
[33]	[33]	Prism	T	DM3 DM13	(S-10)	
[34]	[12]	Loading Lever Assembly	B	DM4 DM18	(S-11)	(+) Refer to Alignment Sec. Pg. 2-4-10
[35]	[34]	Loading Arm T Assembly	B	DM4 DM18		(+) Refer to Alignment Sec. Pg. 2-4-10
[36]	[34]	Loading Arm S Assembly	B	DM4 DM18	(S-15)	(+) Refer to Alignment Sec. Pg. 2-4-10
[37]	[2]	Moving Guide S Preparation	T	DM3 DM19		
[38]	[2]	Moving Guide T Preparation	T	DM3 DM19		
[39]	[39]	Deck Earth Plate	T	DM1 DM3	(S-12)	
[40]	[40]	Cleaner Assembly	T	DM3 DM7	*(L-14)	
[41]	[41]	Insulation Cover	T	DM3 DM13	*3(L-15)	
[42]	[42]	F Brake Assembly[D, E, H, I, J]	B	DM4 DM9	2(S-13), *(P-6)	
[43]	[43]	Prism (L2)	T	DM3 DM8	(S-17)	

[1] **[2]** **[3]** **[4]** **[5]** **[6]** **[7]**

[1]: Follow steps in sequence. When reassembling, follow the steps in reverse order. These numbers are also used as Identification (location) No. of parts in the figures.

[2]: Indicates the part to start disassembling with in order to disassemble the part in column (1).
[3]: Name of the part
[4]: Location of the part: T=Top B=Bottom R=Right L=Left
[5]: Figure Number
[6]: Identification of parts to be removed, unhooked, unlocked, released, unplugged, unclamped, or desoldered.P=Spring, W=Washer, C=Cut Washer, S=Screw, *=Unhook, Unlock, Release, Unplug, or Desoldere.g., 2(L-2) = two Locking Tabs (L-2).
[7]: Adjustment Information for Installation (+): Refer to Deck Exploded Views for lubrication.



Note: Remove the Front Loading Assembly before removing [3] Motor Holder.

To remove Front Loading Assembly:
1. Remove 2 Screws; 2(S-1).
2. Lift Assembly up carefully.

Fig. DM1

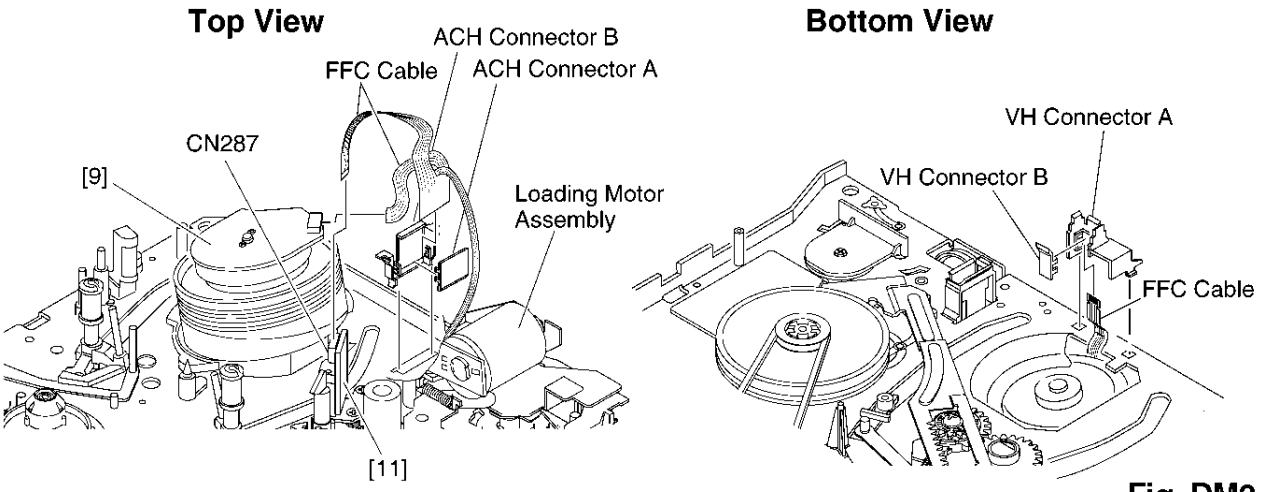


Fig. DM2

Top View

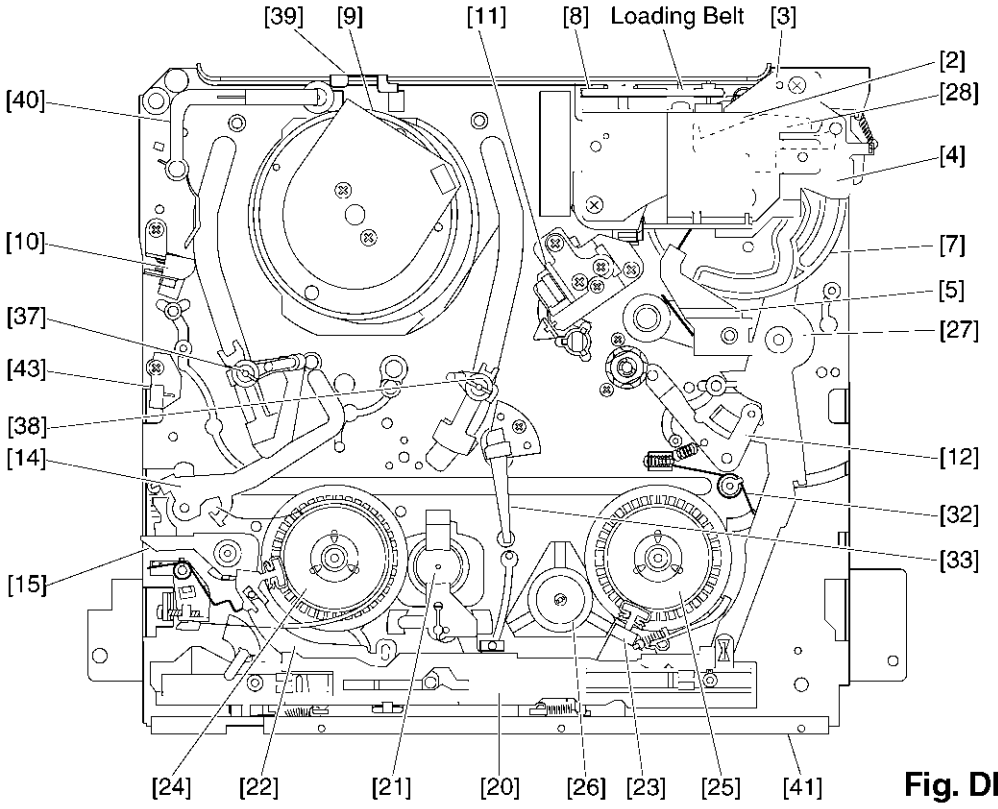


Fig. DM3

Bottom View

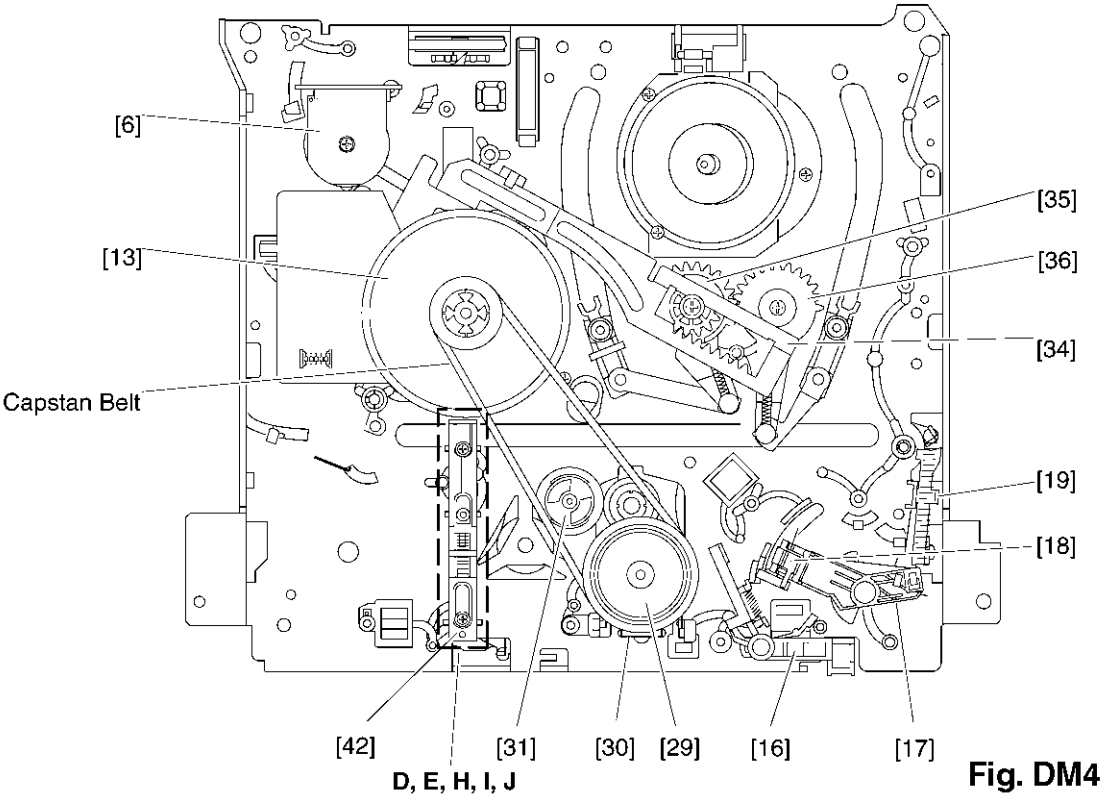
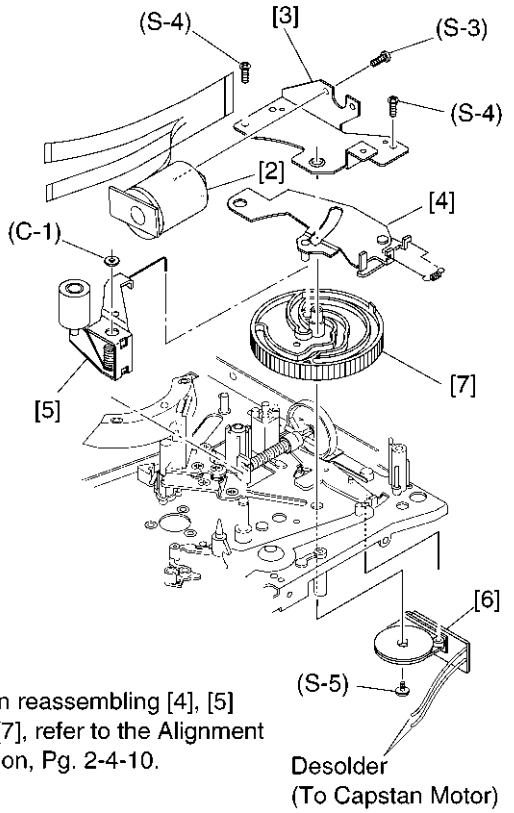


Fig. DM4



When reassembling [4], [5] and [7], refer to the Alignment Section, Pg. 2-4-10.

Fig. DM5

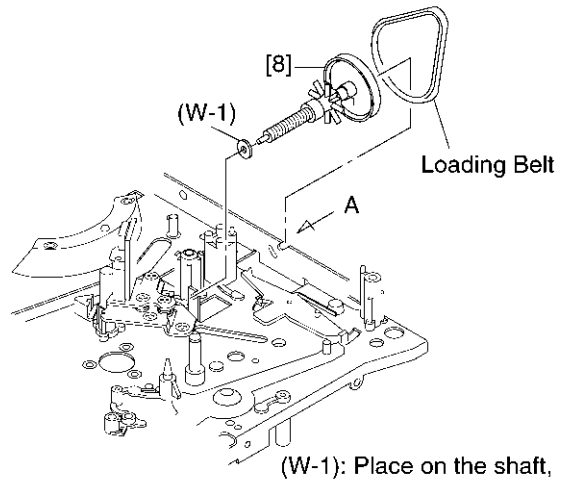


Fig. DM6

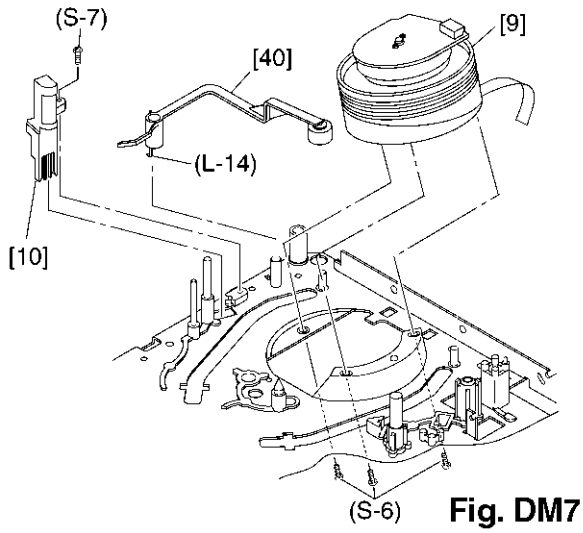


Fig. DM7

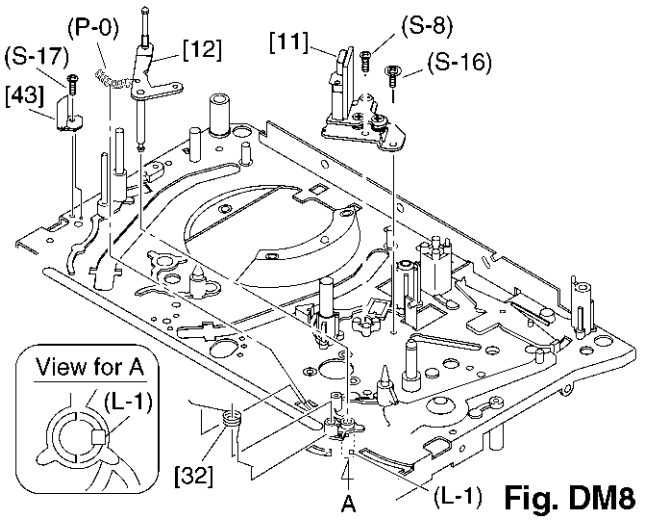


Fig. DM8

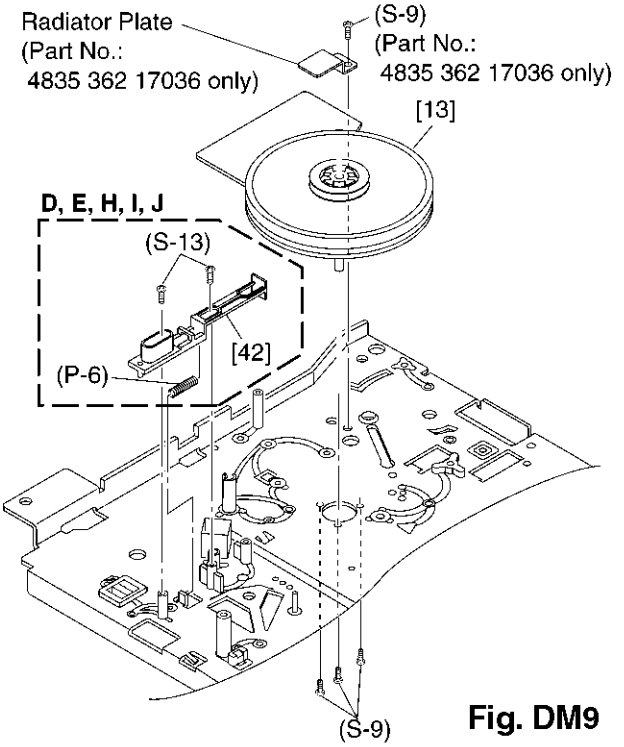


Fig. DM9

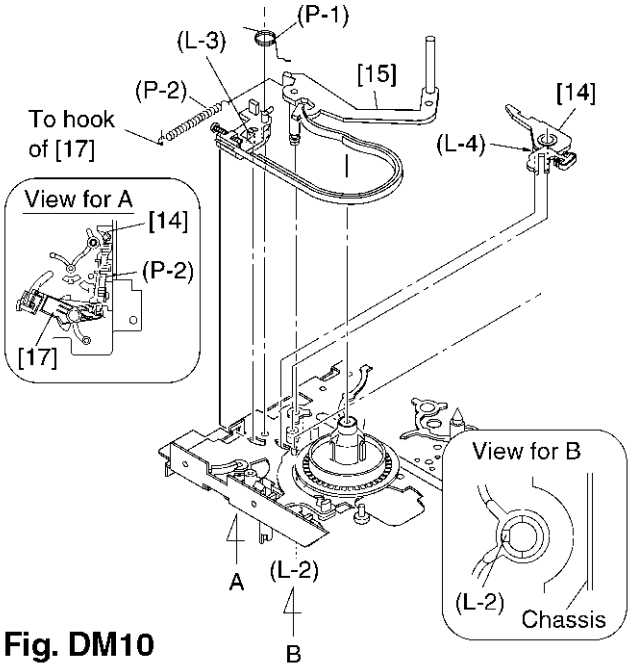

(P-1)
(L-3)
(P-2)
To hook
of [17]
[15]
[14]
(L-4)
View for A
[14]
(P-2)
[17]
View for B
A
(L-2)
B
(L-2)
Chassis

Fig. DM10

View for A

Reassembly [17], [18] and (P-3).

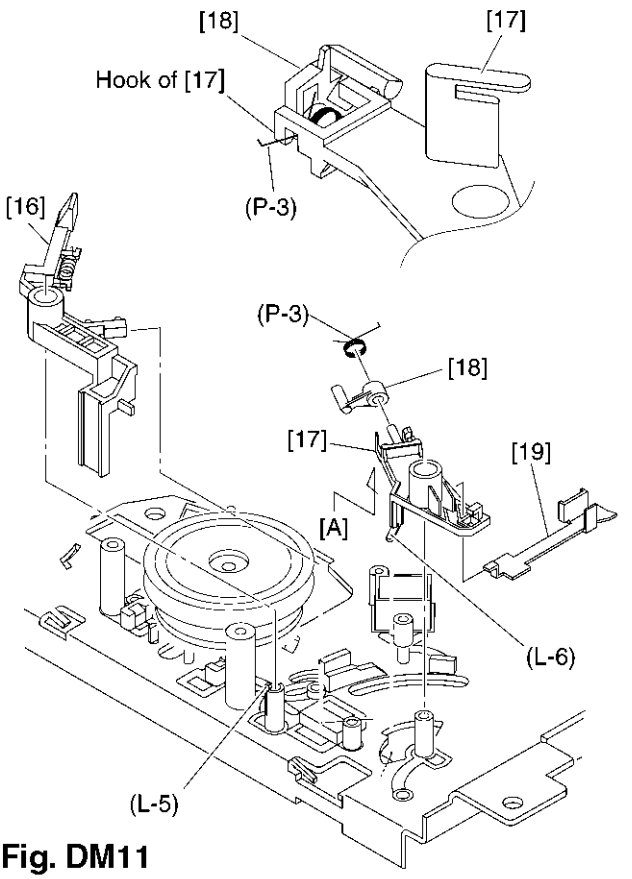
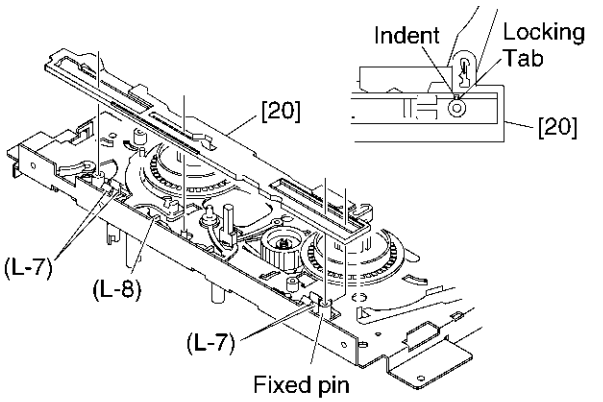


Fig. DM11

Turn [8] counterclockwise to move [20] to the right.
Align the indent of [20] with Locking Tab.



Position of Mode Lever when installed

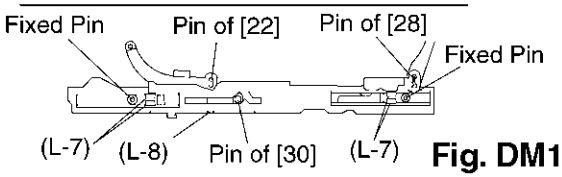


Fig. DM12

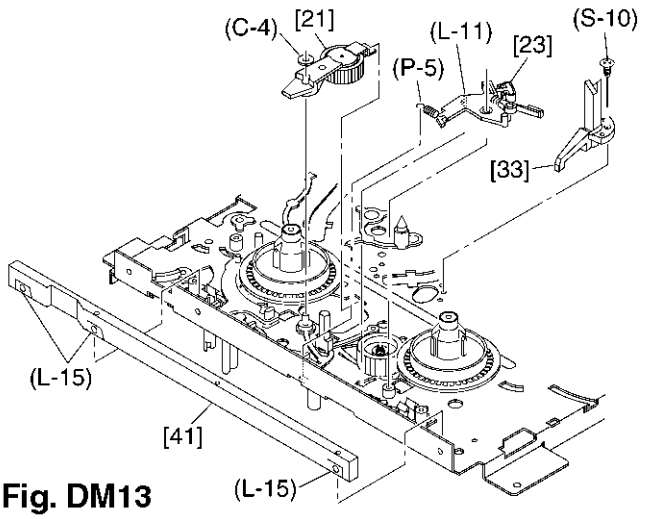


Fig. DM13

If the alignment height is not correct, it is acceptable to use one more Poly Slider Washer to raise the height. (Poly Slider Washer is 0.1 mm /0.004 inch in thickness.)

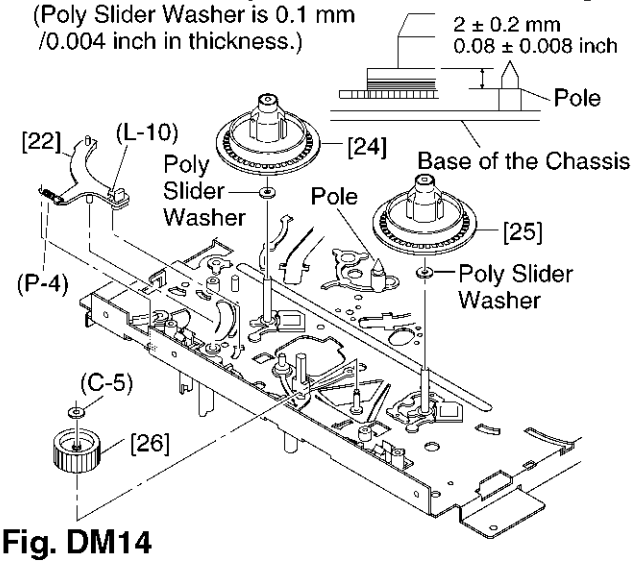


Fig. DM14

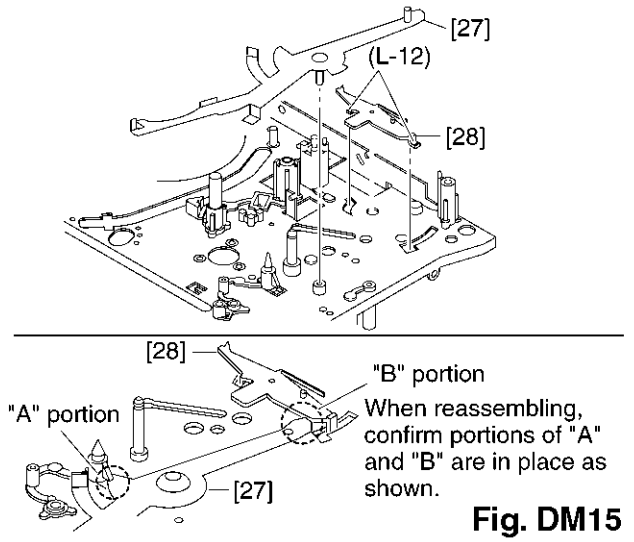


Fig. DM15

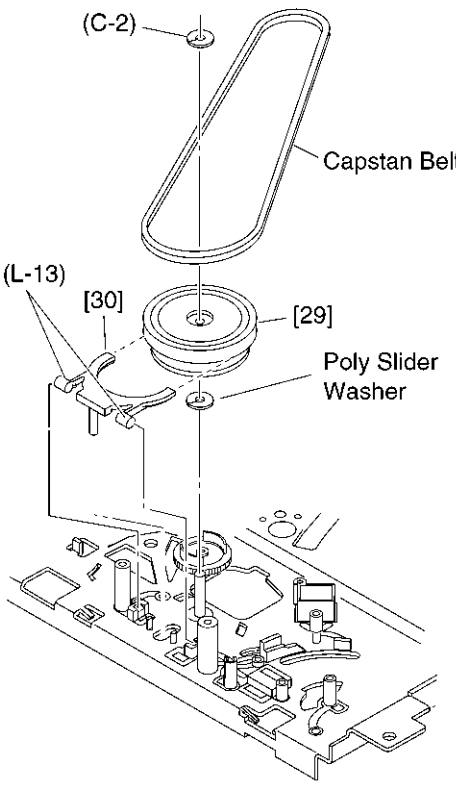


Fig. DM16

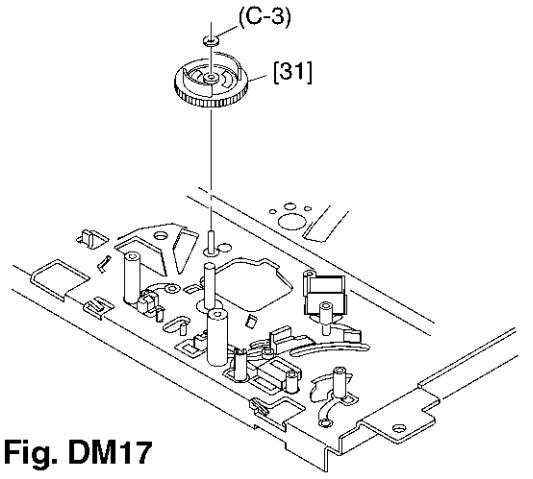


Fig. DM17

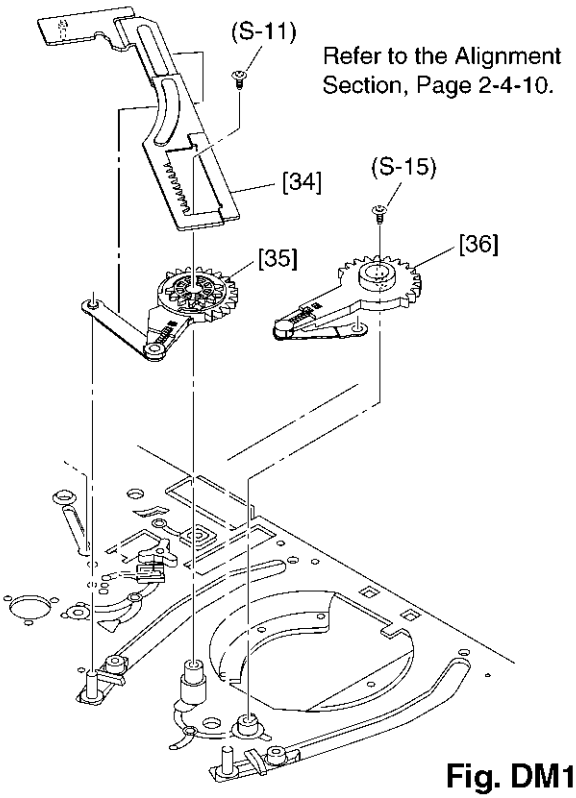


Fig. DM18

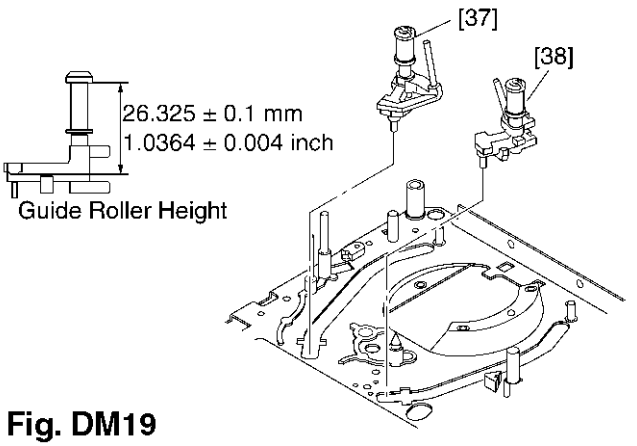


Fig. DM19

Before removing Parts [6], [9], or [10], shift [5] to Cassette-in position.

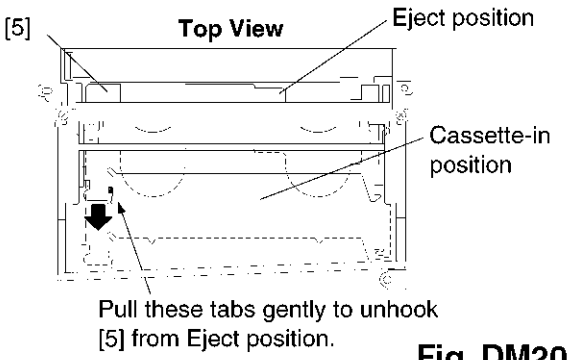


Fig. DM20

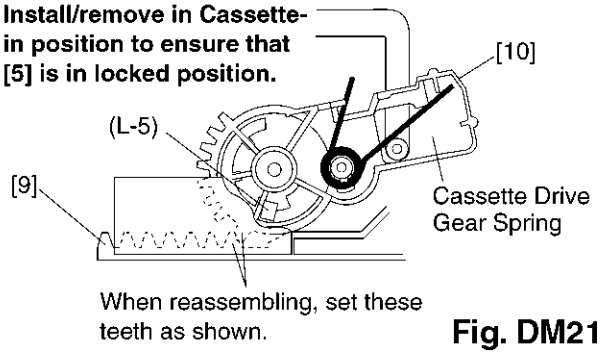

Install/remove in Cassette-in position to ensure that [5] is in locked position.
[10]
(L-5)
[9]
Cassette Drive Gear Spring
When reassembling, set these teeth as shown.

Fig. DM21

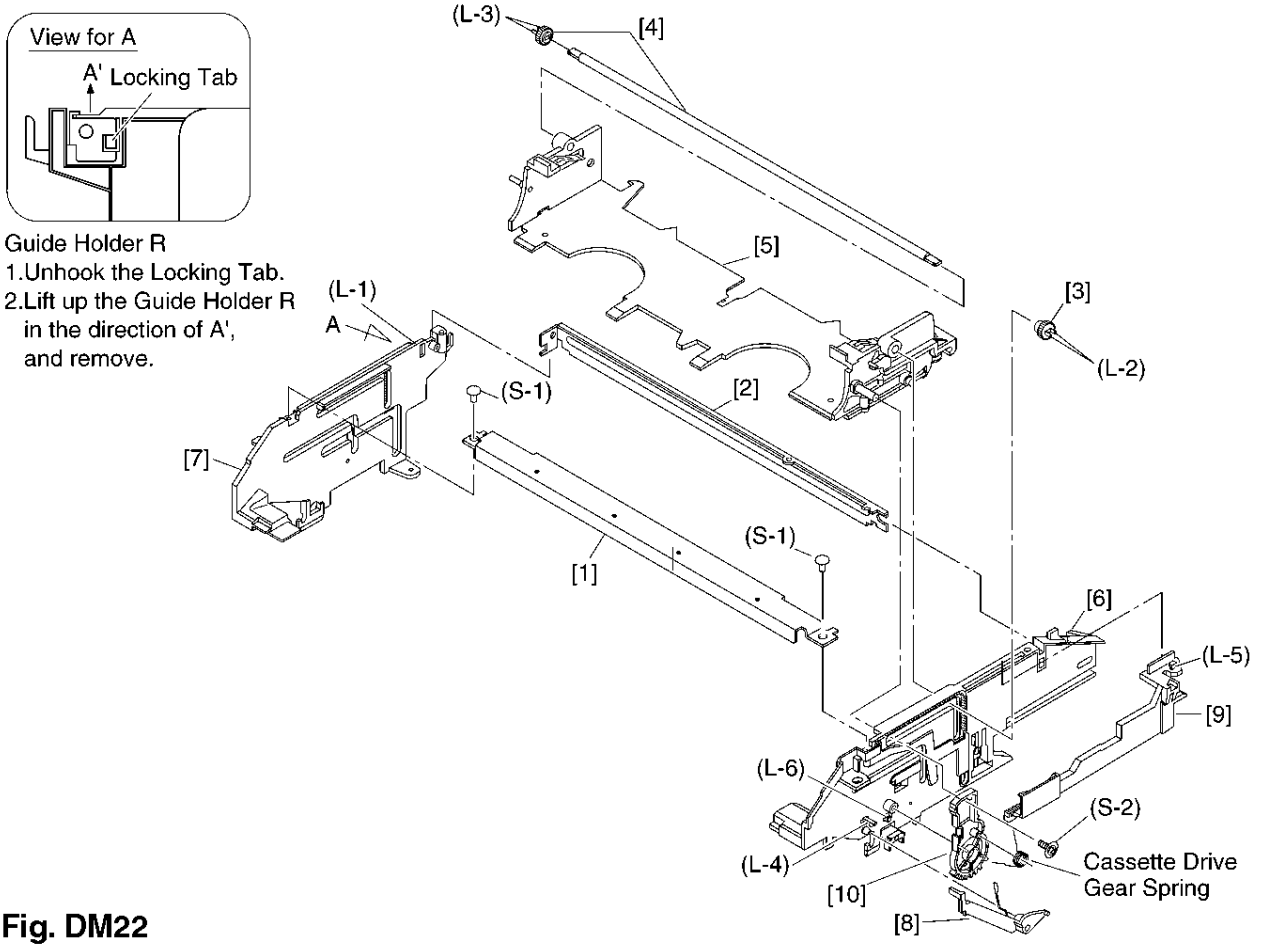
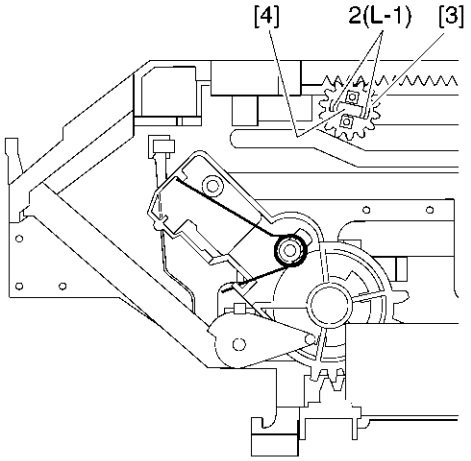

View for A
A' Locking Tab
Guide Holder R
1.Unhook the Locking Tab.
2.Lift up the Guide Holder R in the direction of A', and remove.
(L-3)
[4]
[5]
(L-1)
A
[3]
(L-2)
(S-1)
[2]
[7]
(S-1)
[1]
[6]
(L-5)
[9]
(L-6)
(S-2)
(L-4)
Cassette Drive Gear Spring
[10]
[8]

Fig. DM22

View before disassembling [3] and [4]
(Installation of Slider Shaft and Slider Gear)



Install [3] and [4] in Eject position.
(When disassembling, [3] and [4] can be removed either in Eject position or Cassette-in position.)

- This figure shows where [3], [4] and other parts are in Eject position.

Fig. DM23

ELECTRICAL ADJUSTMENT GENERAL INSTRUCTIONS

General Note: “CBA” is abbreviation for “Circuit Board Assembly.”

NOTE:
Electrical adjustments are required after replacing circuit components and certain mechanical parts.
It is important to perform these adjustments only after all repairs and replacements have been completed.
Also, do not attempt these adjustments unless the proper equipment is available.

Test Equipment Required

1. NTSC Pattern Generator (Color Bar W/White Window, Red Color, Dot Pattern, Gray Scale, Monoscope, Multi-Burst)
2. AC Milli Voltmeter (RMS)
3. Alignment Tape (VFMS0001H6), Blank Tape
4. DC Voltmeter
5. Oscilloscope: Dual-trace with 10:1 probe,
   V-Range: 0.001~50V/Div,
   F-Range: DC~AC-60MHz
6. Frequency Counter
7. Plastic Tip Driver

How to Enter the Service Mode

Caution: 1

1. Optical sensors are used for Tape Start and End Sensor on this equipment. Read this page carefully and prepare as described on this page before starting to service; otherwise, the unit may operate unexpectedly.

Preparing: 1

1. Cover Q203 (START SENSOR) and Q202 (END SENSOR) with insulation tape or enter the Service Mode to activate Sensor Inhibition automatically.

Note: Avoid playing, rewinding or fast forwarding the tape to its beginning or end, because both Tape End Sensors are not active.

How to Enter the Service Mode

1. Turn power on.
2. If using a non-locator remote, press the remote control keys in the following order. MENU—>MUTE—>PAUSE—>MUTE
3. If using a locator remote control, press MENU —>MUTE, cover the remote control's output and aim the remote control away from the unit, press PAUSE, uncover the remote control's output, point it toward the unit and press PAUSE again, then press MUTE.
4. While in the Service Mode, Electrical Adjustment Mode may be selected by pressing the appropriate remote control key as shown in the table below.

Key	Adjustment Mode
MENU	Picture Adjustment Mode : Press the MENU button to change from BRT (Bright), CNT (Contrast) and TNT (Tint). Press CH UP/DOWN key to display Initial Value, Maximum and Minimum cyclically.
0	Hf0/C-Trap Adjustment Mode: See Adjustment Instructions.
1	V-Size, V-Position and H.Shift Adjustment Mode. See Adjustment Instructions..
2	AGC Adjustment Mode: See Adjustment Instructions..
3	AFT Adjustment Mode: See Adjustment Instructions.
4	Auto Record Mode: Perform Recording (15 Sec.)—>Stop—>Rewind (Zero Return) automatically.
5	Head Switching Point Adjustment Mode: See Adjustment Instructions.
6	Static Convergence Adjustment Mode: Shows 1 dot color on the center of the screen. Press CH UP/DOWN key to change the colors white and magenta.
7	Purity Check Mode: Shows red, green or blue on the screen when the CH UP/DOWN keys are pressed.
8	Cut-off Adjustment Mode: Shows only horizontal line. See Adjustment Instructions.

Caution: 2

1. The deck mechanism assembly is mounted on the Main CBA directly, and SW211 (REC-SAFETY SW) is mounted on the Main CBA. When deck mechanism assembly is removed from the Main CBA due to servicing, this switch cannot be operated automatically.

Preparing: 2

1. To eject the tape, press the STOP/EJECT button on the unit (or Remote Control).
2. When you want to record during the Service Mode, press the Rec button while depressing SW211 (REC-SAFETY SW) on the Main CBA.

ELECTRICAL ADJUSTMENTS - MODEL CCA092

DC117V Adjustment (AC Power) - Model CCA092

Purpose: To obtain correct operation.
Symptom of Misadjustment: The picture is dark and unit does not operate correctly.

Test Point	Adjustment Point	Mode	Input
J638(+117V)	VR1601	—-	120V 60Hz
J637(GND)			
Tape	M. EQ.	Spec.	
—-	DC Voltmeter	+117±0.5V DC.	

Note: J638, J637 (GND), VR1601 —- Power Supply CBA

1. Connect DC Volt Meter to J638 and J637 (GND).
2. Adjust VR1601 so that the voltage of J638 becomes +117±0.5V DC.

DC117V Adjustment (DC Power) - Model CCA092

Test Point	Adjustment Point	Mode	Input
J638(+117V)	VR1951	—-	13.2V DC
J637(GND)			
Tape	M. EQ.	Spec.	
—-	DC Voltmeter	+117 ±0.5V DC.	

Note: J638, J637 (GND), VR1951 —- Power Supply CBA

1. Input 13.2V DC to DC Jack.
2. Connect DC Volt Meter to J638 and J637 (GND).
3. Adjust VR1951 so that the voltage of J638 becomes +117±0.5V DC.

DC12V Adjustment (DC Power) - Model CCA092

Test Point	Adjustment Point	Mode	Input
J633(+12V) J637(GND)	VR1952	—-	13.2V DC
Tape	**M. EQ.**	**Spec.**	
—-	DC Voltmeter	+12 ±0.2V DC.	

Note: J633, J637 (GND), VR1952 —- Power Supply CBA

1. Input 13.2V DC to DC Jack.
2. Connect DC Volt Meter to J633 and J637 (GND).
3. Adjust VR1952 so that the voltage of J633 becomes +12±0.2V DC.

AFT Adjustment - Model CCA092

Purpose: To operate AFT correctly.
Symptom of Misadjustment: AFT does not work correctly and/or synchronization is faulty.

Test Point	Adjustment Point	Mode	Input
J236 (AFT) J323 (GND)	T301 (VCO)	—-	See Directions
Tape	**M. EQ.**	**Spec.**	
—-	Oscilloscope or DC Volt Meter	+6.5 ±0.1V DC	

Note: J263, J323 (GND), T301 —- Main CBA

1. Enter the **Service Mode**. Then press number 3 button on the remote control unit.
2. Input Color Bar signal.
3. Turn the core of T301 fully counter clockwise.
4. Turn the core of T301 clockwise and find the point where the voltage drops from approximately 7V to 0V immediately on the oscilloscope. (J17)
5. Turn the core of T301 little by little and find the point where +6.5±0.1V DC is obtained between the areas mentioned in step 4.
6. Turn the power off and on again.

AGC Adjustment - Model CCA092

Purpose: Set AGC (Auto Gain Control) Level.
Symptom of Misadjustment: AGC does not synchronize correctly when RF input level is too weak and picture distortion may occur if it is too strong.

Test Point	Adjustment Point	Mode	Input
J223 (AGC) J323 (GND)	CH up/down button (Remote Control Unit)	—-	Color Bar 67.25MHz 60dBmV
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator DC Volt Meter	+2.1 ± 0.1VDC	

Notes: J223, J323 (GND) —- Main CBA

Use remote control unit.
1. Enter the **Service Mode**. Then press number 2 button on the remote control unit.
2. Receive the Color Bar signal for channel 4 (67.25MHz). (RF Input Level: 60dBmV)
3. Press CH up / down button so that the voltage of J223 becomes +2.10.1V DC.
4. Turn the power off and on again.

Hfo Adjustment - Model CCA092

Purpose: To get correct horizontal position and size of screen image.
Symptom of Misadjustment: Horizontal position and size of screen image may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
INT. MONITOR	CH up /down buttons (Remote Control Unit)	——	——
Tape	**M. EQ.**	**Spec.**	
——	Frequency Counter	See below	

Note: INT. MONITOR—Main CBA

1. Connect Frequency Counter to INT MONITOR.
2. Set to AUX Mode (no input necessary). Enter the **Service Mode**.
3. Operate the unit for at least 20 minutes.
4. Press “0” button on the remote control unit and select H-Adj Mode. (Press ”0” button, then display will change to H-ADJ and C-TRAP.)
5. Press CH up / down button on the remote control unit so that the display changes to “0” and ”1.” At this moment, choose display “0” or ”1” when the Frequency Counter display is closest to 15.734kHz.

C-Trap Adjustment - Model CCA092

Purpose: To get correct horizontal position and size of screen image.
Symptom of Misadjustment: Horizontal position and size of screen image may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
J24(Red Out)	CH up /down buttons (Remote Control Unit)	—-	Color Bar
Tape	M. EQ.	Spec.	
——	Oscilloscope	Minimum	

Note: J24 —- Main CBA

1. Connect oscilloscope to J24.
2. Set to AUX Mode and input Color Bar. Enter the **Service Mode**.
3. Press “0” button on the remote control unit and select C-TRAP Mode. (Press ”0” button then display will change to H-ADJ and C-TRAP.)
4. Press CH up / down button on the remote control unit so that the display changes to “0,” “1,” “2” and “3.” Choose display “0,” “1,” “2,” or “3” when B-Out (3.58MHz) value becomes minimum on the oscilloscope.

Vertical Size Adjustment - Model CCA092

Purpose: To obtain correct vertical height of screen image.
Symptom of Misadjustment: If V. Size is incorrect, vertical height of image on the screen may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
—-	CH up /down buttons (Remote Control Unit)	—-	Monoscope
Tape	M. EQ.	Spec.	
—-	Pattern Generator	90±5%	

1. Enter the **Service Mode**.
2. Press “1” button on the remote control unit and select V-S Mode. (Press ”0” button then display will change to H-P, V-P and V-S.)
3. Input Monoscope Pattern.
4. Press CH up / down button on the remote control unit so that the monoscope pattern is 90±5% of display size and the circle is round.

Vertical Position Adjustment - Model CCA092

Purpose: To obtain correct vertical position of screen image.
Symptom of Misadjustment: If V. position is incorrect, vertical position of image on the screen may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
—-	CH up /down buttons (Remote Control Unit)	—-	Monoscope
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below	

1. Enter the **Service Mode**.
2. Press “1” button on the remote control unit and select V-P Mode. (Press ”0” button then display will change to H-P, V-P and V-S.)
3. Input Monoscope Pattern.
4. Press CH up / down button on the remote control unit so that the top and bottom of the Monoscope Pattern are equal to each other.

H. Shift Adjustment - Model CCA092

Purpose: To obtain correct horizontal position and size of screen image.
Symptom of Misadjustment: Horizontal position and size of image on the screen may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
—-	CH up/down button (Remote Control Unit)	—-	Monoscope
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below	

1. Enter the **Service Mode**.
2. Press “1” button on the remote control unit and select H-P Mode. (Press ”0” button then display will change to H-P, V-P and V-S.)
3. Input Monoscope Pattern.
4. Press CH up / down button on the remote control unit so that the top and bottom of the Monoscope Pattern are equal to each other.

Cut-off Adjustment - Model CCA092

Purpose: To adjust the beam current of R, G, B, and screen voltage.
Symptom of Misadjustment: White color may be reddish, greenish or bluish.

Test Point	Adjustment Point	Mode	Input
—-	Screen-Control	Ext.	Black Raster /White Raster
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See Reference Notes below.	

Note: Screen Control FBT—H/V CBA
F.B.T= Fly Back Transformer
Use the remote control unit

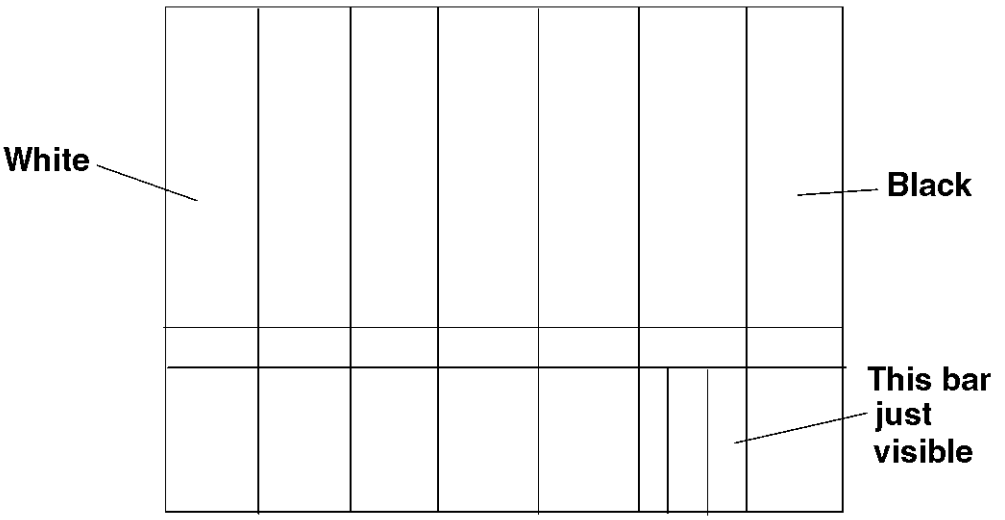
1. Degauss the CRT and allow CRT to operate for 20 minutes before starting the alignment.
2. Input the Black Raster Signal.
3. Enter the **Service Mode**.
4. Press “MENU” button. (Display changes to BRT, CNT, TNT cyclically when “MENU” button is pressed). Select BRT and press CH up / down button then set in initial value. (Display changes to MAX, INITIAL and MIN cyclically when CH up / down button is pressed).
5. Follow above procedure to set CNT and TNT in initial value.
6. Press “8” button (C/D display momentarily) then press ”1.” Display momentarily shows COR (R=Red). Now there is a horizontal line across the center of screen. If needed, gradually turn screen control on the flyback transformer clockwise until the horizontal line appears. If a pure white line appears then go to step 9, otherwise read on. Adjust the Red Cut Off by pressing the CH up / down buttons. Proceed to step 7 when the Red Cut Off adjustment is done.
7. Press the “2” button. The display will momentarily show ”COG” (G=Green). Adjust the Green Cut Off by pressing the CH up / down buttons. Proceed to step 8 when the Green Cut Off adjustment is done.
8. Press the “3” button. The display will momentarily show ”COB” (B=Blue). Adjust the Blue Cut Off by pressing the CH up / down buttons. When done with steps 6, 7 and 8 the horizontal line should be pure white. If not, then attempt the Cut Off adjustments again.
9. Input the White Raster Signal.
10. Press the “1” button. The display will momentarily show ”DR” (R=Red). Adjust the Red Drive as needed with the CH up / down buttons.
11. Press the “5” button. The display will momentarily show ”DB” (B=Blue). Adjust the Blue Drive as needed with the CH up / down buttons.
12. Turn the power off and on again.

Sub-Brightness Adjustment - Model CCA092

Purpose: To get proper brightness.
Symptom of Misadjustment: If Sub-Brightness is incorrect, proper brightness cannot be obtained by adjusting the Brightness Control.

Test Point	Adjustment Point	Mode	Input
—-	CH up /down buttons (Remote Control Unit)	EXT	IQW
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below	

Note: IQW Setup level —- 10 IRE



1. Enter the **Service Mode**. Then input IQW signal.
2. Press MENU button. (Display changes to BRT, CNT, and TNT cyclically when MENU button is pressed). Select BRT and press CH up / down button so that the bar is just visible (see above figure).
3. Turn the power off and on again.

Focus Adjustment - Model CCA092

Purpose: Set the optimum Focus.
Symptom of Misadjustment: If Focus Adjustment is incorrect, blurred images are shown on the display.

Test Point	Adjustment Point	Mode	Input
—-	Focus Control	—-	Monoscope
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below.	

Note: Focus VR (FBT) —- H/V CBA
FBT= Fly Back Transformer

1. Operate the unit more than 30 minutes
2. Degauss the CRT using Degaussing Coil and face the unit to the East.
3. Input the Monoscope Pattern.
4. Adjust the Focus Control on the FBT to obtain a clear picture.

Head Switching Position Adjustment - Model CCA092

Purpose: Determine the Head Switching Point during Playback.
Symptom of Misadjustment: May cause Head Switching Noise or Vertical Jitter in the picture.

Note: Unit reads Head Switching Position automatically and displays it on the screen (upper left corner).

1. Playback test tape (VFMS0001H6).
2. Enter the **Service Mode**. Then press the number 5 button on the remote control unit.
3. The Head Switching position will display on the screen. If adjustment is necessary, follow Step 4. 6.5H(412.7ms) is preferable.
4. Press “CH up/down” button on the remote control unit if necessary, then value will be changed in 0.5H steps up or down. Adjustable Range is up to 9.5H. If the values are beyond adjustable range, display will change as shown: Lower out of range; 0.0H Upper out of range; -.-H

SIF Adjustment - Model CCA092

Purpose: To set the SIF (Sound Intermediate Frequency).
Symptom of Misadjustment: Audio may not sound correctly.
Note: This adjustment automatically done by microcomputer.

CCS Text Box Location - Model CCA092

When replacing the CRT, the CCS Box might not stay in appropriate position. In that case, replace microcomputer.

Note: This adjustment automatically done by microcomputer.

The following 2 adjustments normally are not attempted in the field and should be done only when replacing the CRT.

Purity Adjustment - Model CCA092

Purpose: To obtain pure color.
Symptom of Misadjustment: If Color Purity Adjustment is incorrect, large areas of color may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
—-	Deflection Yoke Purity Magnet	—-	Red Color
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below.	

1. Set the unit facing east.
2. Operate the unit for over 30 minutes before adjusting.
3. Fully degauss the unit using an external degaussing coil.
4. Loosen screw on the Deflection Yoke Clamper and pull the Deflection Yoke back away from the screen. **(See Fig. 5)**
5. Loosen Ring Lock and adjust the Purity Magnets so that a red field is obtained at the center of the screen. Tighten Ring Lock. **(See Fig. 5)**
6. Slowly push the Deflection Yoke toward bell of CRT and set it where a uniform red field is obtained.
7. Tighten the clamp screw on the Deflection Yoke.

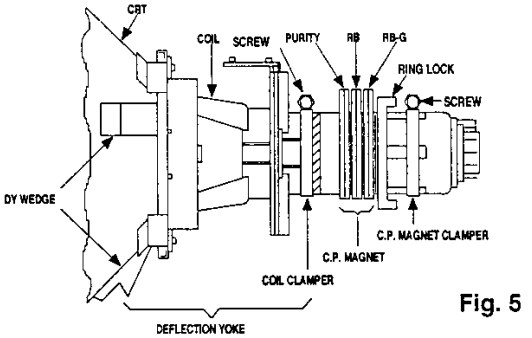


Fig. 5

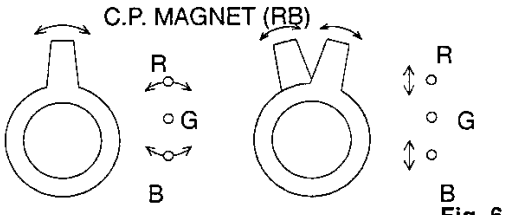


Fig. 6

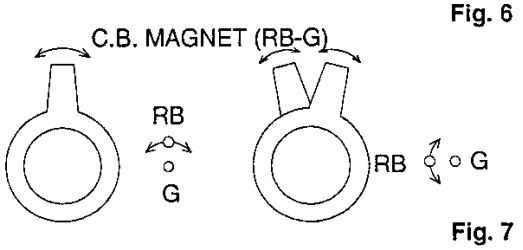


Fig. 7

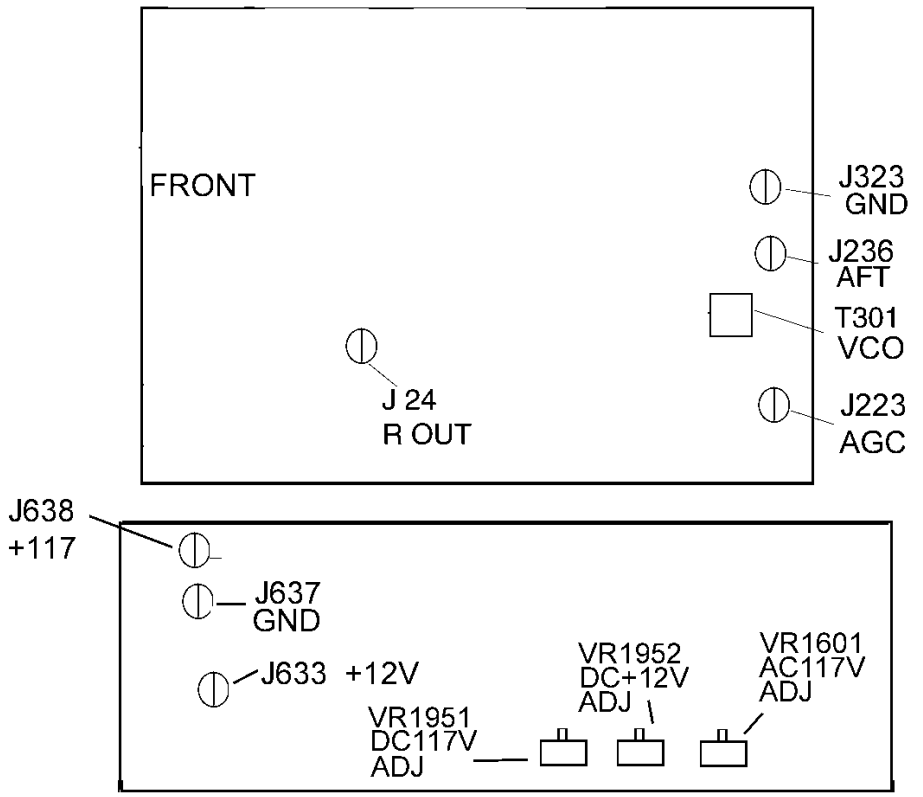
Convergence Adjustment - Model CCA092

Purpose: To obtain proper convergence of red, green and blue beams.

Symptom of Misadjustment: If Convergence Adjustment is incorrect, the edge of white letters may have color edges.

Test Point	Adjustment Point	Mode	Input
—	C.P. Magnet (RB), C.P. Magnet(RB-G), Deflection Yoke	—	Dot Pattern or Crosshatch
Tape	**M. EQ.**	**Spec.**	
—	Pattern Generator	See below.	

1. Loosen the Ring Lock and align red with blue dots or Crosshatch at the center of the screen by rotating (RB) C.P. Magnets. **(See Fig. 6)**
2. Align red / blue with green dots at the center of the screen by rotating (RB-G) C.P. Magnet. **(See Fig. 7)**
3. Fix the C.P. Magnets by tightening the Ring Lock.
4. Remove the DY Wedges and slightly tilt the Deflection Yoke horizontally and vertically to obtain the best overall convergence.
5. Fix the Deflection Yoke by carefully inserting the DY Wedges between CRT and Deflection Yoke.



ELECTRICAL ADJUSTMENTS
CCA132, 134, 191, 192, 193, 194, 252

DC 108V Adjustment-13 inch Models

Purpose: To obtain correct operation.
Symptom of Misadjustment: The picture is dark and unit does not operate correctly.

Test Point	Adjustment Point	Mode	Input
J347(+108V) J29(GND)	VR601	—-	—-
Tape	**M. EQ.**	**Spec.**	
—-	DC Voltmeter	+108 ± 0.5V DC.	

Note: **J347, J29(GND), VR601** —- Main CBA

1. Connect DC Volt Meter to J347 and J29 (GND).
2. Adjust VR601 so that the voltage of J347 becomes +108±0.5V DC.

DC 116V Adjustment - 19 inch Models

Test Point	Adjustment Point	Mode	Input
J347(+116V) J29(GND)	VR601	—-	—-
Tape	**M. EQ.**	**Spec.**	
—-	DC Voltmeter	+116 ± 0.5V DC.	

Note: **J347, J29(GND), VR601** —- Main CBA

DC 128V Adjustment - CCA252

Purpose: To obtain correct operation.
Symptom of Misadjustment: The picture is dark and unit does not operate correctly.

Test Point	Adjustment Point	Mode	Input
TP601(+128V) **TP602(GND)**	**VR601**	—-	—-
Tape	**M. EQ.**	**Spec.**	
—-	DC Voltmeter	+128±0.5V DC.	

Note: TP601, TP602 (GND), VR601 —- Power Supply/H.V. CBA

1. Connect DC Volt Meter to TP601 and TP602 (GND).
2. Adjust VR601 so that the voltage of TP601 becomes +128±0.5V DC.

AFT Adjustment - CCA132, 134, 191, 192, 193, 194, 252

Purpose: To operate AFT correctly.
Symptom of Misadjustment: AFT does not work correctly and/or synchronization is faulty.

Test Point	Adjustment Point	Mode	Input
J17 (AFT) J29 (GND)	T301 (VCO)	—-	See Directions
Tape	**M. EQ.**	**Spec.**	
—-	Oscilloscope or DC Volt Meter	**+4.0 ± 0.1V DC**	

Note: J17, J29 (GND), T301 —- Main CBA

1. Enter the **Service Mode**. Then press number 3 button on the remote control unit.
2. Input Color Bar signal.
3. Turn the core of T301 fully counterclockwise.
4. Turn the core of T301 clockwise and find the point where the voltage drops from approximately 7V to 0V immediately on the oscilloscope. (J17)
5. Turn the core of T301 little by little and find the point where +4.0±0.1V DC is obtained between the areas mentioned in step 4.
6. Turn the power off and on again.

AGC Adjustment - CCA132, 134, 191, 192, 193, 194, 252

Purpose: Set AGC (Auto Gain Control) Level.
Symptom of Misadjustment: AGC does not synchronize correctly when RF input level is too weak and picture distortion may occur if it is too strong.

Test Point	Adjustment Point	Mode	Input
J34 (AGC) J29 (GND)	CH up /down buttons (Remote Control Unit)	—-	Color Bar 67.25MHz 60dBuV
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator DC Volt Meter	+2.3 ± 0.1VDC	

Notes: **J34, J29 (GND)** —- Main CBA
Use remote control unit.

1. Enter the **Service Mode**.. Then press number 2 button on the remote control unit.
2. Receive the Color Bar signal for channel 4 (67.25MHz). (RF Input Level: 60dBmV)
3. Press CH up / down button so that the voltage of J34 becomes +2.3 ± 0.1V DC.
3. Turn the power off and on again.

Hfo Adjustment - CCA132, 134, 191, 192, 193, 194, 252

Purpose: To get correct horizontal position and size of screen image.
Symptom of Misadjustment: Horizontal position and size of screen image may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
INT. MONITOR	CH up /down buttons (Remote Control Unit)		——
Tape	**M. EQ.**	**Spec.**	
——	Frequency Counter	See below	

Note: **INT. MONITOR**—- Main CBA

1. Connect Frequency Counter to INT MONITOR.
2. Set to AUX Mode (no input necessary). Enter the **Service Mode**.
3. Operate the unit for at least 20 minutes.
4. Press ”0" button on the remote control unit and select H-Adj Mode. (Press “0" button, then display will change to H-ADJ and C-TRAP.)
5. Press CH up / down button on the remote control unit so that the display changes to ”0" and “1." At this moment, choose display ”0" or “1" when the Frequency Counter display is closest to 15.734kHz.

C-Trap Adjustment - CCA132, 134, 191, 192, 193, 194

Purpose: To get correct horizontal position and size of screen image.
Symptom of Misadjustment: Horizontal position and size of screen image may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
J24(Red Out)	CH up /down buttons (Remote Control Unit)	—-	Color Bar
Tape	**M. EQ.**	**Spec.**	
——	Oscilloscope	Minimum	

Note: **J24** —- Main CBA

1. Connect oscilloscope to J24.
2. Set to AUX Mode and input Color Bar. Enter the **Service Mode**.
3. Press ”0" button on the remote control unit and select C-TRAP Mode. (Press “0" button then display will change to H-ADJ and C-TRAP.)
4. Press CH up / down button on the remote control unit so that the display changes to “0,” “1,” “2” and “3.” Choose display “0,” “1,” “2,” or “3” when B-Out (3.58MHz) value becomes minimum on the oscilloscope.

C-Trap Adjustment - Model CCA252

Purpose: To get correct horizontal position and size of screen image.
Symptom of Misadjustment: Horizontal position and size of screen image may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
TP501 (Red Out)	CH up / down button (Remote Control Unit)	—-	Color Bar
Tape	**M. EQ.**	**Spec.**	
——	Oscilloscope	Minimum	

Note: TP501 —- CRT CBA

1. Connect oscilloscope to TP501.
2. Set to AUX Mode and input Color Bar. Enter the **Service Mode**.
3. Press “0” button on the remote control unit and select C-TRAP Mode. (Press “0” button then display will change to H-ADJ and C-TRAP.)
4. Press CH up / down button on the remote control unit so that the display changes to “0,” “1,” “2” and “3.” Choose display “0,” “1,” “2,” or “3” when B-Out (3.58MHz) value becomes minimum on the oscilloscope.

V. Size Adjustment - CCA132, 134, 191, 192, 193, 194, 252

Purpose: To obtain correct vertical height of screen image.
Symptom of Misadjustment: If V. Size is incorrect, vertical height of image on the screen may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
—-	CH up /down buttons (Remote Control Unit)	Play	Monoscope
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	90 ± 5%	

1. Enter the **Service Mode**.
2. Press ”1" button on the remote control unit and select V-S Mode. (Press “0" button then display will change to H-P, V-P and V-S.)
3. Input Monoscope Pattern.
4. Press CH up / down button on the remote control unit so that the monoscope pattern is 90±5% of display size and the circle is round.

V. Position Adjustment - CCA132, 134, 191, 192, 193, 194, 252

Purpose: To obtain correct vertical position of screen image.
Symptom of misadjustment: If V. position is incorrect, vertical position of image on the screen may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
—-	CH up/down button (Remote Control Unit)	—-	Monoscope
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below	

1. Enter the **Service Mode**.
2. Press ”1" button on the remote control unit and select V-P Mode. (Press “0" button then display will change to H-P, V-P and V-S.)
3. Input Monoscope Pattern.
4. Press CH up / down button on the remote control unit so that the top and bottom of the Monoscope Pattern are equal to each other.

H. Shift Adjustment - CCA132, 134, 191, 192, 193, 194, 252

Purpose: To obtain correct horizontal position and size of screen image.
Symptom of misadjustment: Horizontal position and size of screen may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
—-	CH up /down buttons (Remote Control Unit)	—-	Monoscope
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below	

1. Enter the **Service Mode**.
2. Press ”1" button on the remote control unit and select H-P Mode. (Press “0" button then display will change to H-P, V-P and V-S.)
3. Input Monoscope Pattern.
4. Press CH up / down button on the remote control unit so that the top and bottom of the Monoscope Pattern are equal to each other.

Cut-off Adjustment - CCA132, 134, 191, 192, 193, 194, 252

Purpose: To adjust the beam current of R, G, B, and screen voltage.
Symptom of Misadjustment: White color may be reddish, greenish or bluish.

Test Point	Adjustment Point	Mode	Input
—-	Screen-Control	Ext.	Black Raster /White Raster
Tape	**M. EQ.**	**Spec.**	
—-	**Pattern Generator**	See Reference Notes below.	

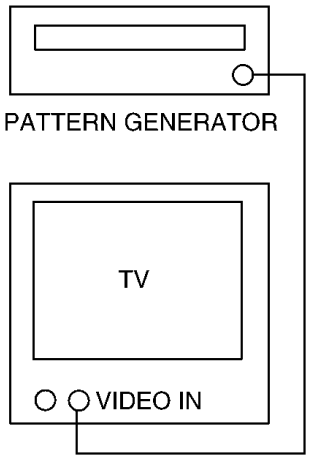


Fig. 2

Note: **Screen Control FBT** —- H/V CBA
F.B.T= Fly Back Transformer
Use the remote control unit

1. Degauss the CRT and allow CRT to operate for 20 minutes before starting the alignment.
2. Input the Black Raster Signal.
3. Enter the **Service Mode**.
4. Press ”MENU“ button. (Display changes to BRT, CNT, TNT cyclically when ”MENU“ button is pressed). Select BRT and press CH up / down button then set in initial value. (Display changes to MAX, INITIAL and MIN cyclically when CH up / down button is pressed).
5. Follow above procedure to set CNT and TNT in initial value.
6. Press ”8" button (C/D display momentarily) then press “1." Display momentarily shows COR (R=Red). Now there is a horizontal line across the center of screen. If needed, gradually turn screen control on the flyback transformer clockwise until the horizontal line appears. If a pure white line appears then go to step 9, otherwise read on. Adjust the Red Cut Off by pressing the CH up / down buttons. Proceed to step 7 when the Red Cut Off adjustment is done.

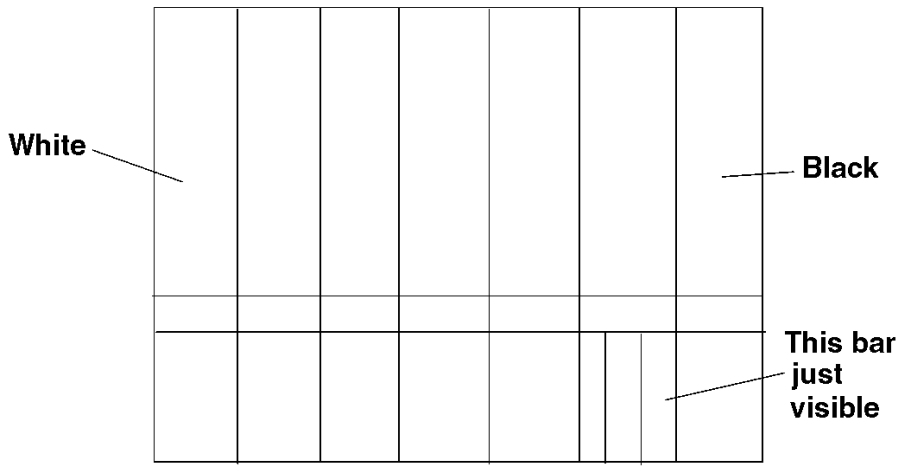
7. Press the ”2" button. The display will momentarily show “COG" (G=Green). Adjust the Green Cut Off by pressing the CH up / down buttons. Proceed to step 8 when the Green Cut Off adjustment is done.
8. Press the ”3" button. The display will momentarily show “COB" (B=Blue). Adjust the Blue Cut Off by pressing the CH up / down buttons. When done with steps 6, 7 and 8 the horizontal line should be pure white. If not, then attempt the Cut Off adjustments again.
9. Input the White Raster Signal.
10. Press the ”1" button. The display will momentarily show “DR" (R=Red). Adjust the Red Drive as needed with the CH up / down buttons.
11. Press the ”5" button. The display will momentarily show “DB" (B=Blue). Adjust the Blue Drive as needed with the CH up / down buttons.
12. Turn the power off and on again.

Sub-Brightness Adjustment - CCA132, 134, 191, 192, 193, 194, 252

Purpose: To get proper brightness.
Symptom of Misadjustment: If Sub-Brightness is incorrect, proper brightness cannot be obtained by adjusting the Brightness Control.

Test Point	Adjustment Point	Mode	Input
—-	CH up /down buttons (Remote Control Unit)	EXT	IQW
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	**See graphic**	

Note: IQW Setup level —- 10 IRE



1. Enter the **Service Mode**. Then input IQW signal.
2. Press MENU button. (Display changes to BRT, CNT, and TNT cyclically when MENU button is pressed). Select BRT and press CH up / down button so that the bar is just visible (**see figure**).
3. Turn the power off and on again.

Focus Adjustment - CCA132, 134, 191, 192, 193, 194, 252

Purpose: Set the optimum Focus.
Symptom of Misadjustment: If Focus Adjustment is incorrect, blurred images are shown on the display.

Test Point	Adjustment Point	Mode	Input
—-	Focus Control	—-	Monoscope
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below.	

Note: **Focus VR (FBT)** —- H/V CBA
FBT= Fly Back Transformer

1. Operate the unit more than 30 minutes
2. Degauss the CRT using Degaussing Coil and face the unit to the East.
3. Input the Monoscope Pattern.
4. Adjust the Focus Control on the FBT to obtain a clear picture.

Head Switching Position Adjustment - CCA132, 134, 191, 192, 193, 194, 252

Purpose: Determine the Head Switching Point during Playback.
Symptom of Misadjustment: May cause Head Switching Noise or Vertical Jitter in the picture.

Note: Unit reads Head Switching Position automatically and displays it on the screen (upper left corner).
1. Playback test tape (VFMS0001H6).
2. Enter the **Service Mode.** Then press the number 5 button on the remote control unit.
3. The Head Switching position will display on the screen. If adjustment is necessary, follow Step 4. 6.5H(412.7ms) is preferable.
4. Press ”CH s / t“ button on the remote control unit if necessary, then value will be changed in 0.5H steps up or down. Adjustable Range is up to 9.5H. If the values are beyond adjustable range, display will change as shown: Lower out of range; 0.0H Upper out of range; -.-H

SIF Adjustment - CCA132, 134, 191, 192, 193, 194, 252

Purpose: To set the SIF (Sound Intermediate Frequency).
Symptom of Misadjustment: Audio may not sound correctly.
Note: This adjustment automatically done by microcomputer.

CCS Text Box Location - CCA132, 134, 191, 192, 193, 194, 252

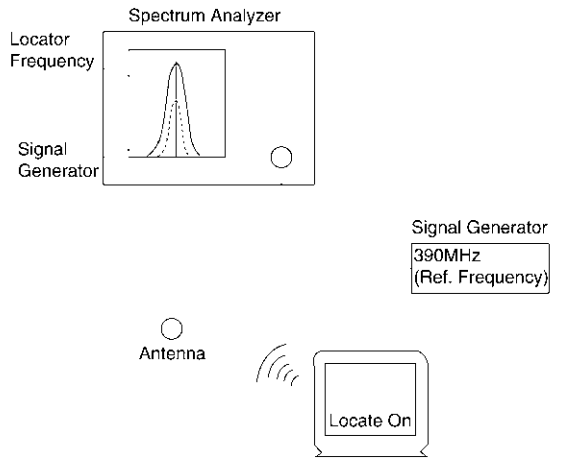
When replacing the CRT, the CCS Box might not stay in appropriate position. In that case, replace microcomputer.

Note: This adjustment automatically done by microcomputer.

Remote Locator Adjustment - CCA132, 134, 191, 192, 194, 252

Purpose: Set locator's oscillating frequency.
Symptom of Misadjustment: Remote control unit does not beep correctly or does not respond.

Test Point	Adjustment Point	Mode	Input
—-	TC 831	—-	390MHz
Tape	**M. EQ.**	**Spec.**	
—-	**Spectrum Analyzer** **Signal Generator**	390MHz±100kHz	



Note: **TC 831 (Trimmer)** —- Remote Locator CBA

1. Enter the **Service Mode**. Then press Memory button on the remote control unit.
2. Press Memory button so that Locator Mode changes to Locator Off, Locator On and Locate Code cyclically.
3. Set Locator Mode to Locator On.
4. Receive Locator's Frequency and Reference Frequency from Signal Generator by Spectrum Analyzer.
5. Adjust TC831 so that the Locator's Frequency becomes 390MHz +/- 100kHz.

Alternate (Field) Remote Locator Adjustment

1. Enter the **Service Mode**. Then press Memory button on the remote control unit.
2. Press Memory button so that Locator Mode changes to Locator Off, Locate On and Locate Code cyclically.
3. Set the Locator Mode to ”Locate Code“ to cycle through all locator codes.
4. Place the locator remote control very near the unit being adjusted. (Note: Do not hold the locator remote control or place it on a metal surface during this adjustment, because reception could be adversely affected.)
5. Adjust TC 831 until the locator remote control beeps.
6. Move the locator remote control farther away from the unit.
7. Press any button on the locator remote control to make it stop beeping.
8. Adjust TC 831 until the locator remote control beeps.
9. Repeat steps 6 through 8 to obtain adequate range.
10. Turn off the unit.

Purity Adjustment - CCA132, 134, 191, 192, 193, 194, 252

This adjustment normally is not attempted in the field and should be done only when replacing the CRT.

Purpose: To obtain pure color.
Symptom of Misadjustment: If Color Purity Adjustment is incorrect, large areas of color may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
—-	Deflection Yoke Purity Magnet	—-	Red Color
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below.	

1. Set the unit facing east.
2. Operate the unit for over 30 minutes before adjusting.
3. Fully degauss the unit using an external degaussing coil.
4. Loosen screw on the Deflection Yoke Clamper and pull the Deflection Yoke back away from the screen. **(See Fig. 5)**
5. Loosen Ring Lock and adjust the Purity Magnets so that a red field is obtained at the center of the screen. Tighten Ring Lock. (See Fig. 4,5)
6. Slowly push the Deflection Yoke toward bell of CRT and set it where a uniform red field is obtained.
7. Tighten the clamp screw on the Deflection Yoke.

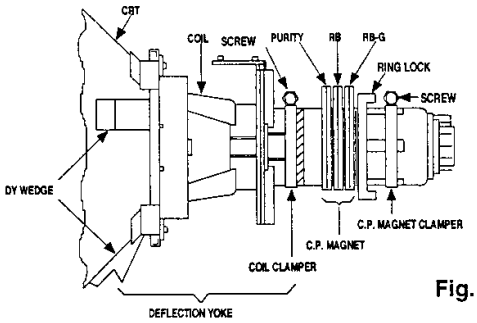


Fig. 5

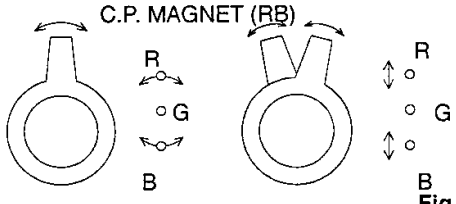


Fig. 6

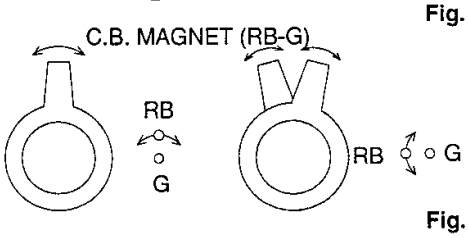


Fig. 7

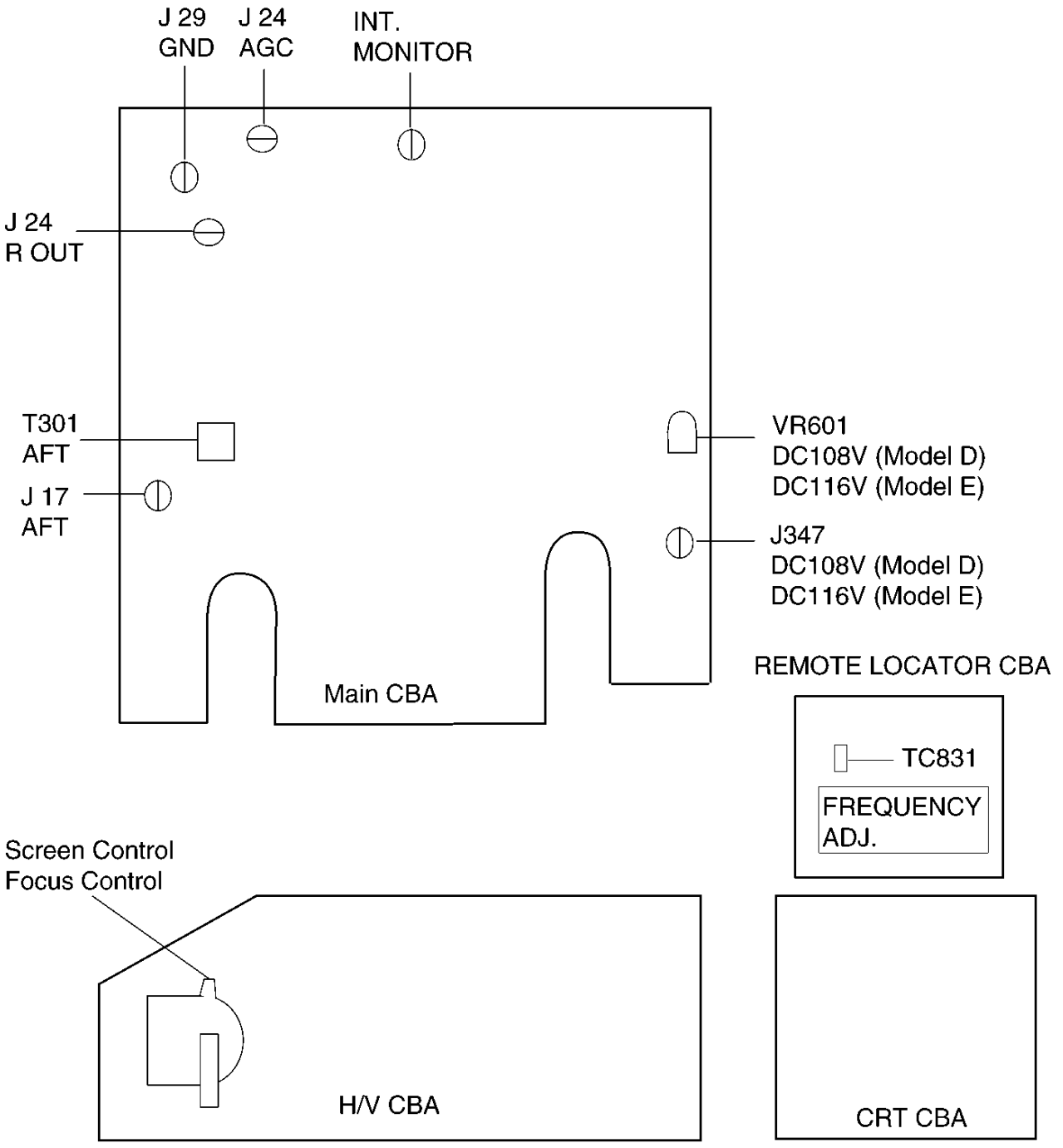
Convergence Adjustment - CCA132, 134, 191, 192, 193, 194, 252

This adjustment normally is not attempted in the field and should be done only when replacing the CRT.

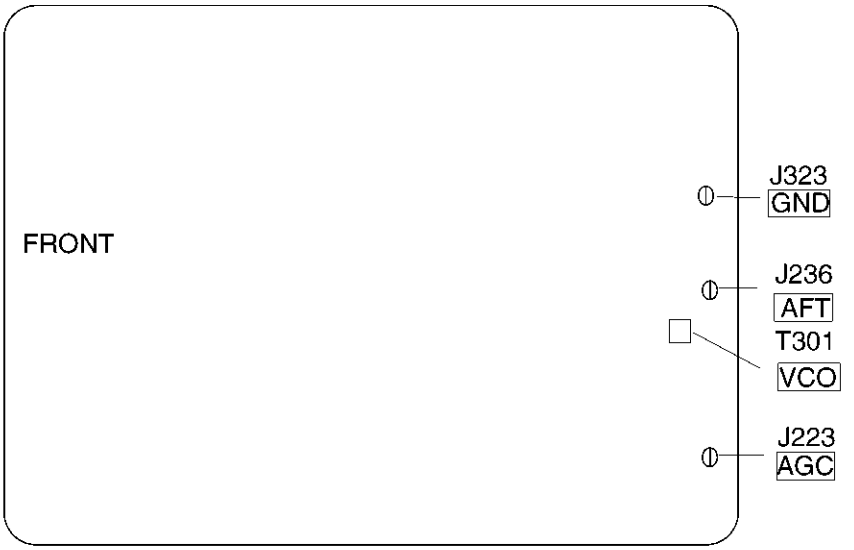
Purpose: To obtain proper convergence of red, green and blue beams.
Symptom of Misadjustment: If Convergence Adjustment is incorrect, the edge of white letters may have color edges.

Test Point	Adjustment Point	Mode	Input
—-	C.P. Magnet (RB), C.P. Magnet (RB-G), Deflection Yoke	—-	Dot Pattern or Crosshatch
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below.	

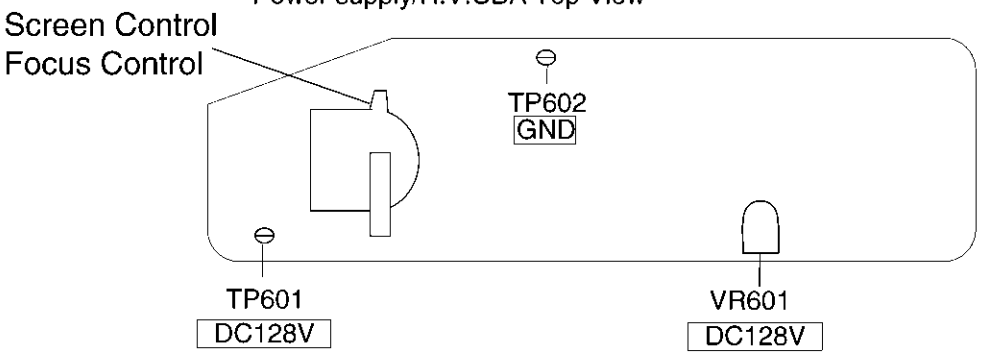
1. Loosen the Ring Lock and align red with blue dots or Crosshatch at the center of the screen by rotating (RB) C.P. Magnets. (**See Fig. 6**)
2. Align red / blue with green dots at the center of the screen by rotating (RB-G) C.P. Magnet. (**See Fig. 7**)
3. Fix the C.P. Magnets by tightening the Ring Lock.
4. Remove the DY Wedges and slightly tilt the Deflection Yoke horizontally and vertically to obtain the best overall convergence.
5. Fix the Deflection Yoke by carefully inserting the DY Wedges between CRT and Deflection Yoke.


J 29
GND
J 24
AGC
INT.
MONITOR
J 24
R OUT
T301
AFT
J 17
AFT
VR601
DC108V (Model D)
DC116V (Model E)
J347
DC108V (Model D)
DC116V (Model E)
Main CBA
REMOTE LOCATOR CBA
TC831
FREQUENCY
ADJ.
Screen Control
Focus Control
H/V CBA
CRT CBA

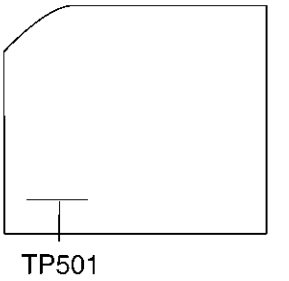
Main CBA Top View



Power supply/H.V.CBA Top View



CRT CBA Top View



ELECTRICAL ADJUSTMENTS - CCA255

DC 128V Adjustment

Purpose: To obtain correct operation.
Symptom of Misadjustment: The picture is dark and unit does not operate correctly.

Test Point	Adjustment Point	Mode	Input
TP601 (+128V) TP602 (GND)	VR601	—-	—-
Tape	M. EQ.	Spec.	
—-	DC Voltmeter	+128±0.5V DC.	

Note: TP601, TP602 (GND), VR601 —- Power Supply/H.V. CBA
1. Connect DC Volt Meter to TP601 and TP602 (GND).
2. Adjust VR601 so that the voltage of TP601 becomes +128±0.5V DC.

AFT Adjustment – CCA255

Purpose: To operate AFT correctly.
Symptom of Misadjustment: AFT does not work correctly and/or synchronization is faulty.

Test Point	Adjustment Point	Mode	Input
J236(AFT) J323 (GND)	T301 (VCO)	—-	See Directions
Tape	M. EQ.	Spec.	
—-	Oscilloscope or DC Volt Meter	+4.0 ± 0.1V DC	

Note: J263, J323 (GND), T301 —- Main CBA

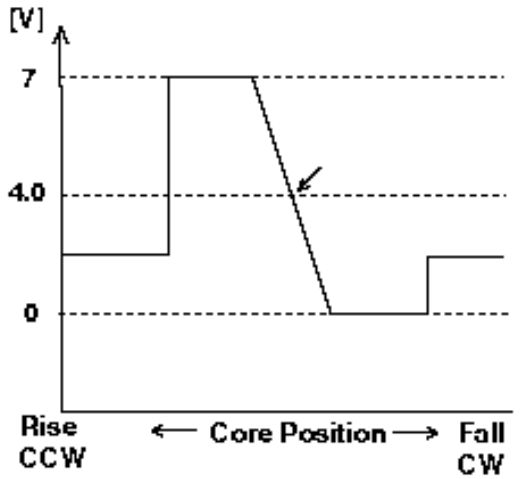


Fig 1

1. Enter the **Service Mode**. Then press number 3 button on the remote control unit.
2. Input Color Bar signal.
3. Turn the core of T301 fully counterclockwise.
4. Turn the core of T301 clockwise and find the point where the voltage drops from approximately 7V to 0V immediately on the oscilloscope. (J236)
5. Turn the core of T301 little by little and find the point where +4.0±0.1V DC is obtained between the areas mentioned in step 4.
6. Turn the power off and on again.

AGC Adjustment – CCA255

Purpose: Set AGC (Auto Gain Control) Level.
Symptom of Misadjustment: AGC does not synchronize correctly when RF input level is too weak and picture distortion may occur if it is too strong.

Test Point	Adjustment Point	Mode	Input
J223(AGC) J323 (GND)	CH up/down button (Remote Control Unit)	—-	Color Bar 67.25MHz 60dBuV
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator DC Volt Meter	+2.30.1VDC	

Notes: J223, J323 (GND) —- Main CBA
Use remote control unit.

1. Enter the **Service Mode**. Then press number 2 button on the remote control unit.
2. Receive the Color Bar signal for channel 4 (67.25MHz). (RF Input Level: 60dBuV)
3. Press CH up/down button so that the voltage of J223 becomes +2.30.1V DC.
4. Turn the power off and on again.

Hfo Adjustment - CCA255

Purpose: To get correct horizontal position and size of screen image.
Symptom of Misadjustment: Horizontal position and size of screen image may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
INT. MONITOR	CH up/down buttons (Remote Control Unit)	——	——
Tape	**M. EQ.**	**Spec.**	
——	Frequency Counter	See below	

Note: INT. MONITOR—- Main CBA

1. Connect Frequency Counter to INT MONITOR.
2. Set to AUX Mode (no input necessary). Enter the **Service Mode**.
3. Operate the unit for at least 20 minutes.
4. Press ”0" button on the remote control unit and select H-Adj Mode. (Press “0" button, then display will change to H-ADJ and C-TRAP.)
5. Press CH up/down button on the remote control unit so that the display changes to ”0" and “1." At this moment, choose display ”0" or “1" when the Frequency Counter display is closest to 15.734kHz.

C-Trap Adjustment - CCA255

Purpose: To get correct horizontal position and size of screen image.
Symptom of Misadjustment: Horizontal position and size of screen image may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
TP501(Red Out)	CH up/down button (Remote Control Unit)	—-	Color Bar
Tape	M. EQ.	Spec.	
——	Oscilloscope	Minimum	

Note: TP501 —- CRT CBA

1. Connect oscilloscope to TP501.
2. Set to AUX Mode and input Color Bar. Enter the **Service Mode**.
3. Press ”0" button on the remote control unit and select C-TRAP Mode. (Press “0" button then display will change to H-ADJ and C-TRAP.)
4. Press CH up/down button on the remote control unit so that the display changes to ”0,“ ”1,“ ”2" and “3." Choose display ”0,“ ”1,“ ”2,“ or ”3" when B-Out (3.58MHz) value becomes minimum on the oscilloscope.

V. Size Adjustment - CCA255

Purpose: To obtain correct vertical height of screen image.
Symptom of Misadjustment: If V. Size is incorrect, vertical height of image on the screen may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
—-	CH up/down button (Remote Control Unit)	—-	Monoscope
Tape	M. EQ.	Spec.	
—-	Pattern Generator	90±5%	

1. Enter the **Service Mode**.
2. Press ”1" button on the remote control unit and select V-S Mode. (Press “0" button then display will change to H-P, V-P and V-S.)
3. Input Monoscope Pattern.
4. Press CH up/down button on the remote control unit so that the monoscope pattern is 90±5% of display size and the circle is round.

V. Position Adjustment - CCA255

Purpose: To obtain correct vertical position of screen image.
Symptom of Misadjustment: If V. position is incorrect, vertical position of image on the screen may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
—-	CH up/down button (Remote Control Unit)	—-	Monoscope
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below	

1. Enter the **Service Mode**.
2. Press ”1" button on the remote control unit and select V-P Mode. (Press “0" button then display will change to H-P, V-P and V-S.)
3. Input Monoscope Pattern.
4. Press CH up/down button on the remote control unit so that the top and bottom of the Monoscope Pattern are equal to each other.

H. Shift Adjustment - CCA255

Purpose: To obtain correct horizontal position and size of screen image.
Symptom of Misadjustment: Horizontal position and size of image on the screen may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
—-	CH up/down button (Remote Control Unit)	—-	Monoscope
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below	

1. Enter the **Service Mode**.
2. Press ”1" button on the remote control unit and select H-P Mode. (Press “0" button then display will change to H-P, V-P and V-S.)
3. Input Monoscope Pattern.
4. Press CH up/down button on the remote control unit so that the top and bottom of the Monoscope Pattern are equal to each other.

Cut-off Adjustment - CCA255

Purpose: To adjust the beam current of R, G, B, and screen voltage.
Symptom of Misadjustment: White color may be reddish, greenish or bluish.

Test Point	Adjustment Point	Mode	Input
—-	Screen-Control	Ext.	Black Raster /White Raster
Tape	**M. EQ.**	**Spec.**	
—-	**Pattern Generator**	See Reference Notes below.	

Note: Screen Control FBT —- H/V CBA
F.B.T= Fly Back Transformer
Use the remote control unit

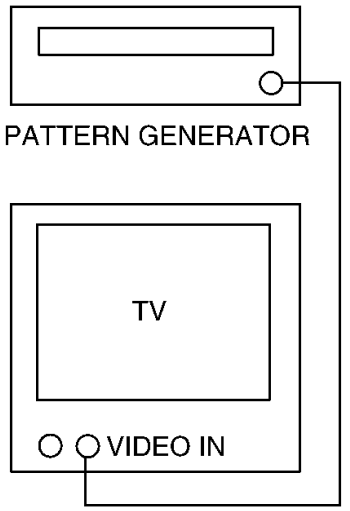


Fig. 2

1. Degauss the CRT and allow CRT to operate for 20 minutes before starting the alignment.
2. Input the Black Raster Signal.
3. Enter the **Service Mode**.
4. Press ”MENU“ button. (Display changes to BRT, CNT, TNT cyclically when ”MENU“ button is pressed). Select BRT and press CH up/down button then set in initial value. (Display changes to MAX, INITIAL and MIN cyclically when CH up/down button is pressed).
5. Follow above procedure to set CNT and TNT in initial value.
6. Press ”8" button (C/D display momentarily) then press “1." Display momentarily shows COR (R=Red). Now there is a horizontal line across the center of screen. If needed, gradually turn screen control on the flyback transformer clockwise until the horizontal line appears. If a pure white line appears then go to step 9, otherwise read on. Adjust the Red Cut Off by pressing the CH up/down buttons. Proceed to step 7 when the Red Cut Off adjustment is done.
7. Press the ”2" button. The display will momentarily show “COG" (G=Green). Adjust the Green Cut Off by pressing the CH up/down buttons. Proceed to step 8 when the Green Cut Off adjustment is done.

8. Press the ”3" button. The display will momentarily show “COB" (B=Blue). Adjust the Blue Cut Off by pressing the CH up/down buttons. When done with steps 6, 7 and 8 the horizontal line should be pure white. If not, then attempt the Cut Off adjustments again.
9. Input the White Raster Signal.
10. Press the ”1" button. The display will momentarily show “DR" (R=Red). Adjust the Red Drive as needed with the CH up/down buttons.
11. Press the ”5" button. The display will momentarily show “DB" (B=Blue). Adjust the Blue Drive as needed with the CH up/down buttons.
12. Turn the power off and on again.

Sub-Brightness Adjustment - CCA255

Purpose: To get proper brightness.
Symptom of Misadjustment: If Sub-Brightness is incorrect, proper brightness cannot be obtained by adjusting the Brightness Control.

Test Point	Adjustment Point	Mode	Input
—-	CH up/down button (Remote Control Unit)	EXT	IQW
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below	

Note: IQW Setup level —- 10 IRE

1. Enter the **Service Mode**. Then input IQW signal.
2. Press MENU button. (Display changes to BRT, CNT, and TNT cyclically when MENU button is pressed). Select BRT and press CH up/down button so that the bar is just visible (**see figure**).
3. Turn the power off and on again.

Focus Adjustment - CCA255

Purpose: Set the optimum Focus.
Symptom of Misadjustment: If Focus Adjustment is incorrect, blurred images are shown on the display.

Test Point	Adjustment Point	Mode	Input
—-	**Focus Control**	—-	Monoscope
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below.	

Note: Focus VR (FBT) —- H/V CBA
FBT= Fly Back Transformer

1. Operate the unit more than 30 minutes
2. Degauss the CRT using Degaussing Coil and face the unit to the East.
3. Input the Monoscope Pattern.
4. Adjust the Focus Control on the FBT to obtain a clear picture.

Head Switching Position Adjustment - CCA255

Purpose: Determine the Head Switching Point during Playback.
Symptom of Misadjustment: May cause Head Switching Noise or Vertical Jitter in the picture.

Note: Unit reads Head Switching Position automatically and displays it on the screen (upper left corner).

1. Playback test tape (VFMS0001H6).
2. Enter the **Service Mode**. Then press the number 5 button on the remote control unit.
3. The Head Switching position will display on the screen. If adjustment is necessary, follow Step 4. 6.5H(412.7ms) is preferable.
4. Press ”CH up/down“ button on the remote control unit if necessary, then value will be changed in 0.5H steps up or down. Adjustable Range is up to 9.5H. If the values are beyond adjustable range, display will change as shown: Lower out of range; 0.0H Upper out of range; -.-H

SIF Adjustment - CCA255

Purpose: To set the SIF (Sound Intermediate Frequency).
Symptom of Misadjustment: Audio may not sound correctly.
Note: This adjustment automatically done by microcomputer.

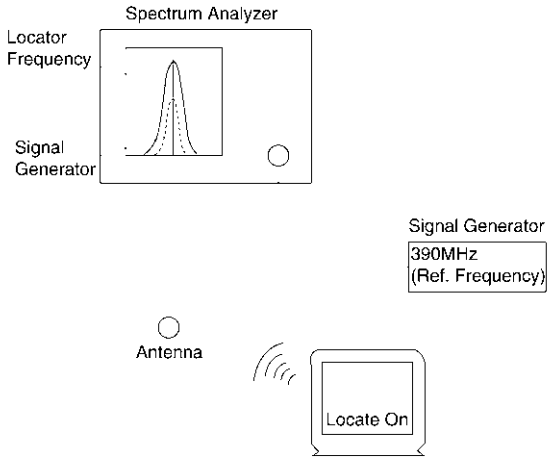
CCS Text Box Location - CCA255

When replacing the CRT, the CCS Box might not stay in appropriate position. In that case, replace microcomputer.
Note: This adjustment automatically done by microcomputer.

Remote Locator Adjustment - CCA255

Purpose: Set locator's oscillating frequency.
Symptom of Misadjustment: Remote control unit does not beep correctly or does not respond.

Test Point	Adjustment Point	Mode	Input
—-	TC 831	—-	390MHz
Tape	M. EQ.	Spec.	
—-	Spectrum Analyzer Signal Generator	390MHz±100kHz	



Note: TC 831 (Trimmer) —- Remote Locator CBA

1. Enter the **Service Mode**. Then press Memory button on the remote control unit.
2. Press Memory button so that Locator Mode changes to Locator Off, Locator On and Locate Code cyclically.
3. Set Locator Mode to Locator On.
4. Receive Locator's Frequency and Reference Frequency from Signal Generator by Spectrum Analyzer.
5. Adjust TC831 so that the Locator's Frequency becomes 390MHz±100kHz.

Alternate (Field) Remote Locator Adjustment

1. Enter the **Service Mode**. Then press Memory button on the remote control unit.
2. Press Memory button so that Locator Mode changes to Locator Off, Locate On and Locate Code cyclically.
3. Set the Locator Mode to "Locate Code" to cycle through all locator codes.
4. Place the locator remote control very near the unit being adjusted. (Note: Do not hold the locator remote control or place it on a metal surface during this adjustment, because reception could be adversely affected.)
5. Adjust TC 831 until the locator remote control beeps.
6. Move the locator remote control farther away from the unit.
7. Press any button on the locator remote control to make it stop beeping.
8. Adjust TC 831 until the locator remote control beeps.
9. Repeat steps 6 through 8 to obtain adequate range.
10. Turn off the unit.

Purity Adjustment - CCA255

Purpose: To obtain pure color.
Symptom of Misadjustment: If Color Purity Adjustment is incorrect, large areas of color may not be properly displayed.

Test Point	Adjustment Point	Mode	Input
—-	Deflection Yoke Purity Magnet	—-	Red Color
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below.	

1. Set the unit facing east.
2. Operate the unit for over 30 minutes before adjusting.
3. Fully degauss the unit using an external degaussing coil.
4. Loosen screw on the Deflection Yoke Clamper and pull the Deflection Yoke back away from the screen.**(See Fig. 5)**
5. Loosen Ring Lock and adjust the Purity Magnets so that a red field is obtained at the center of the screen. Tighten Ring Lock. **(See Fig. 5)**
6. Slowly push the Deflection Yoke toward bell of CRT and set it where a uniform red field is obtained.
7. Tighten the clamp screw on the Deflection Yoke.

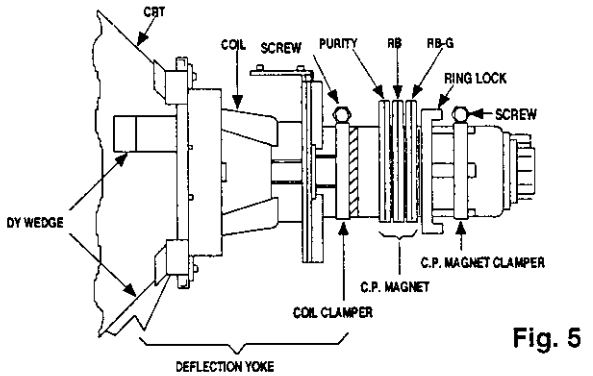


Fig. 5

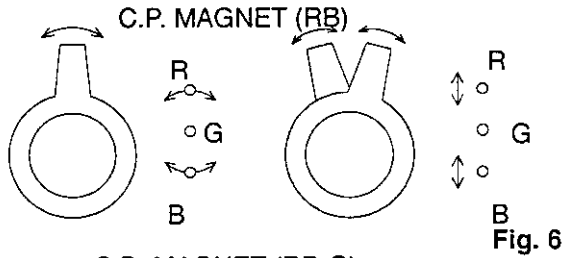


Fig. 6

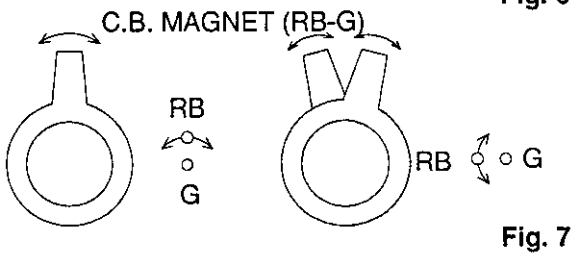


Fig. 7

Convergence Adjustment - CCA255

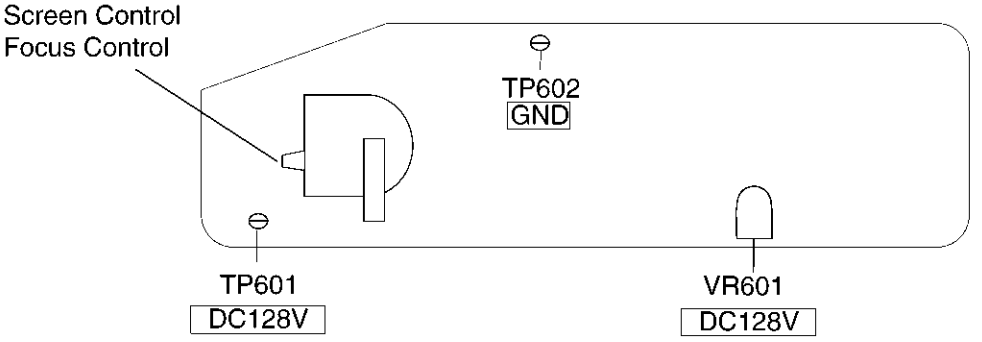
Purpose: To obtain proper convergence of red, green and blue beams.
Symptom of Misadjustment: If Convergence Adjustment is incorrect, the edge of white letters may have color edges.

Test Point	Adjustment Point	Mode	Input
	C.P. Magnet (RB), C.P. Magnet (RB-G), Deflection Yoke	—-	Dot Pattern or Crosshatch
Tape	**M. EQ.**	**Spec.**	
—-	Pattern Generator	See below.	

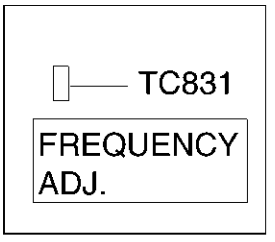
1. Loosen the Ring Lock and align red with blue dots or Crosshatch at the center of the screen by rotating (RB) C.P. Magnets. **(See Fig. 6)**
2. Align red / blue with green dots at the center of the screen by rotating (RB-G) C.P. Magnet. (**See Fig. 7**)
3. Fix the C.P. Magnets by tightening the Ring Lock.
4. Remove the DY Wedges and slightly tilt the Deflection Yoke horizontally and vertically to obtain the best overall convergence.
5. Fix the Deflection Yoke by carefully inserting the DY Wedges between CRT and Deflection Yoke.

Main CBA Top View

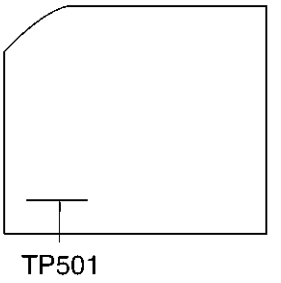
Power Supply/H.V.CBA Top View



Remote Locator CBA Top View



CRT CBA Top View



AUDIO BLOCK DIAGRAM - CCA252 - AUDIO BLOCK DIAGRAM - CCA255

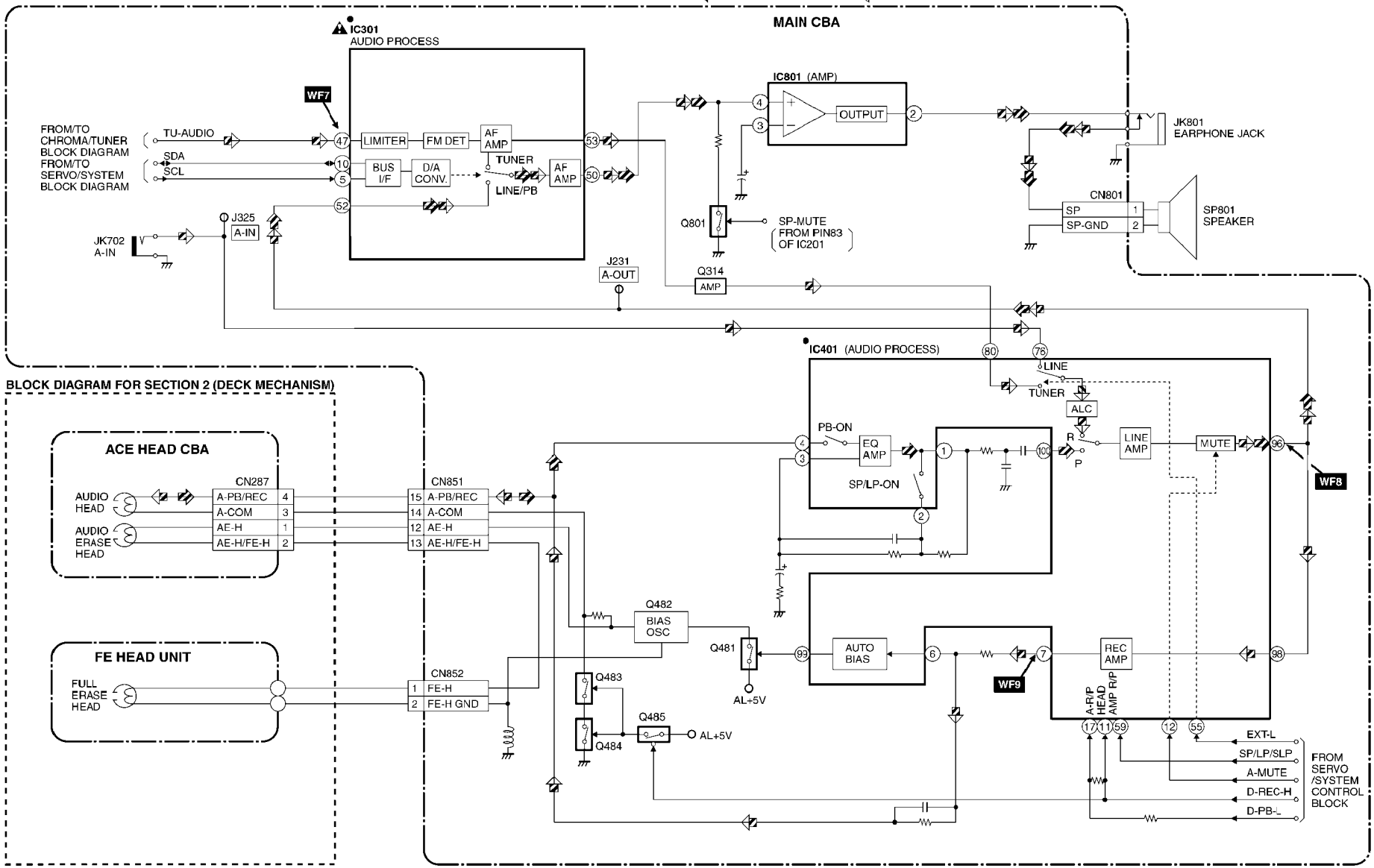
Audio Block Diagram

"● " = SMD

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

TEST POINT INFORMATION
- ⓘ :INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB.
- ▭→ :USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.
- ▨ :USED TO INDICATE A TEST POINT WITH NO TEST PIN.
- ● :USED TO INDICATE A TEST POINT WITH A TEST PIN.

PB-AUDIO SIGNAL REC-AUDIO SIGNAL Mode : SP/REC



Chroma/Tuner Block Diagram
Model CCA092

"● " = SMD

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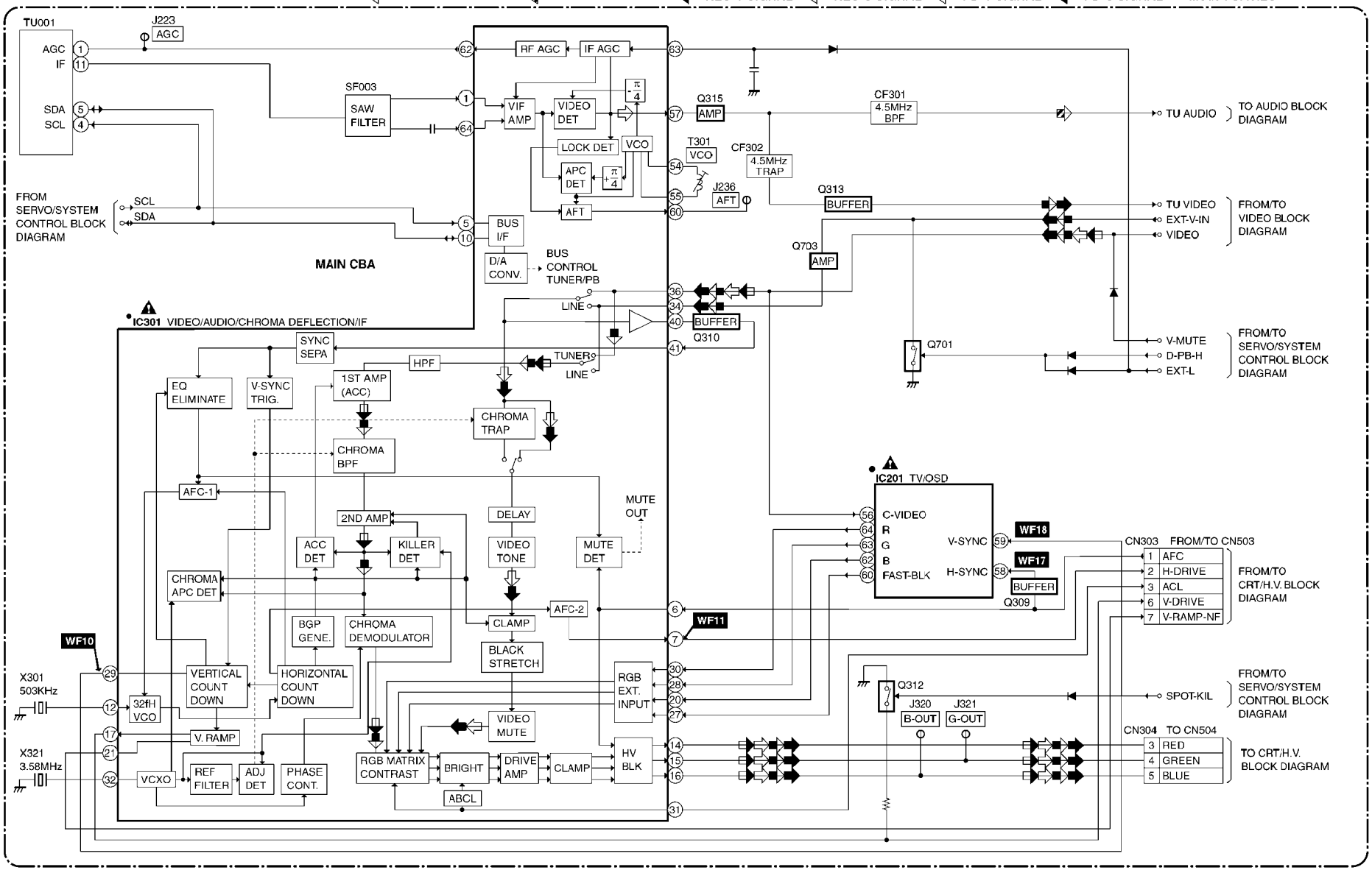
REC-AUDIO SIGNAL | PB-AUDIO SIGNAL | REC-Y SIGNAL | REC-C SIGNAL | PB-Y SIGNAL | PB-C SIGNAL | Mode : SP/REC



CHROMA/TUNER BLOCK DIAGRAM - CCA092

Chroma/Tuner Block Diagram
13 & 19 inch

"● " = SMD

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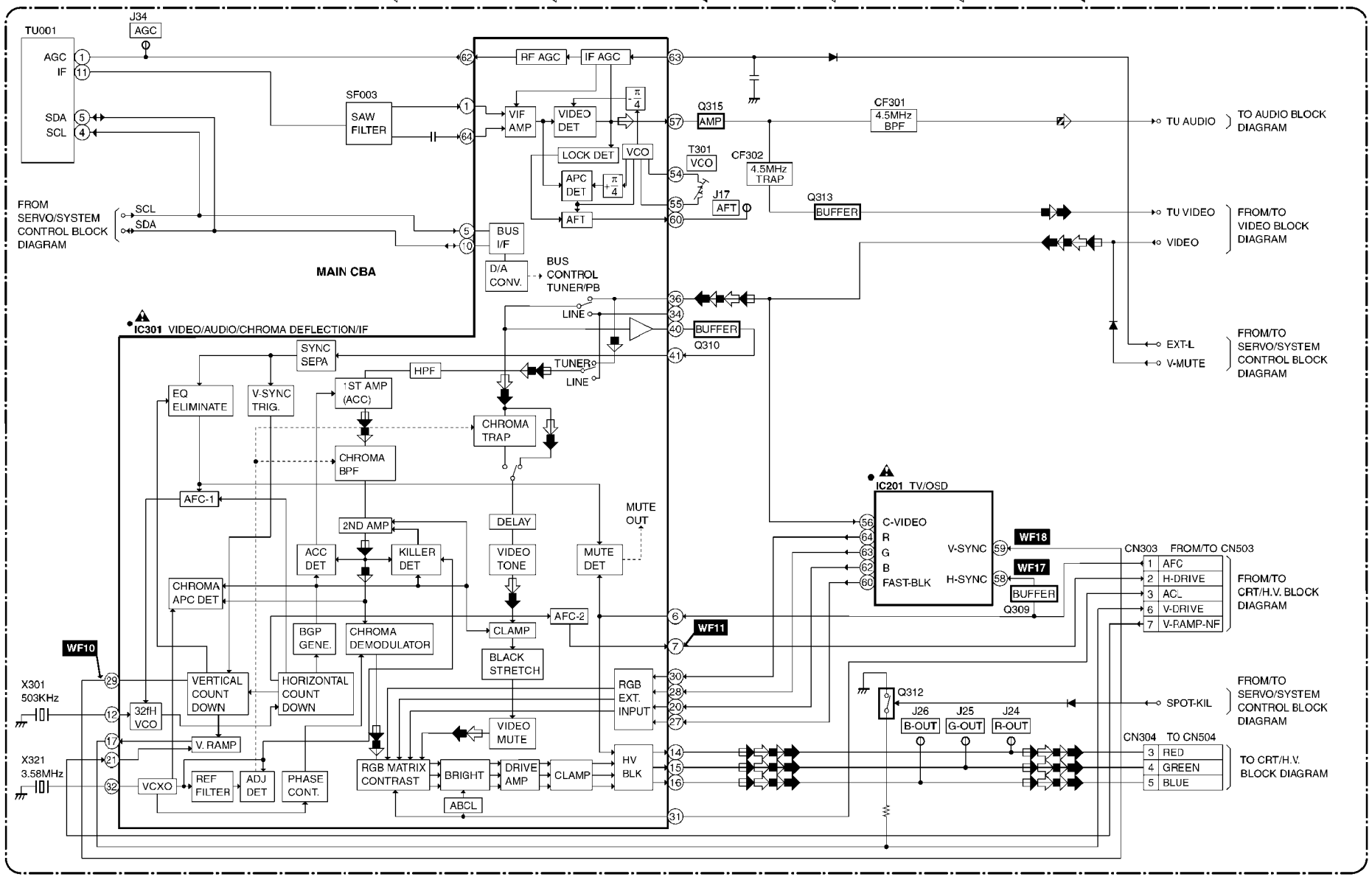
:USED TO INDICATE A TEST POINT WITH NO TEST PIN.
:USED TO INDICATE A TEST POINT WITH A TEST PIN.

REC-AUDIO SIGNAL | PB-AUDIO SIGNAL | REC-Y SIGNAL | REC-C SIGNAL | PB-Y SIGNAL | PB-C SIGNAL | Mode : SP/REC



CHROMA/TUNER BLOCK DIAGRAM - 13 & 19 INCH MODELS

Chroma/Tuner Block Diagram

"● " = SMD

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TEST POINT INFORMATION
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- ▭→ :USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.
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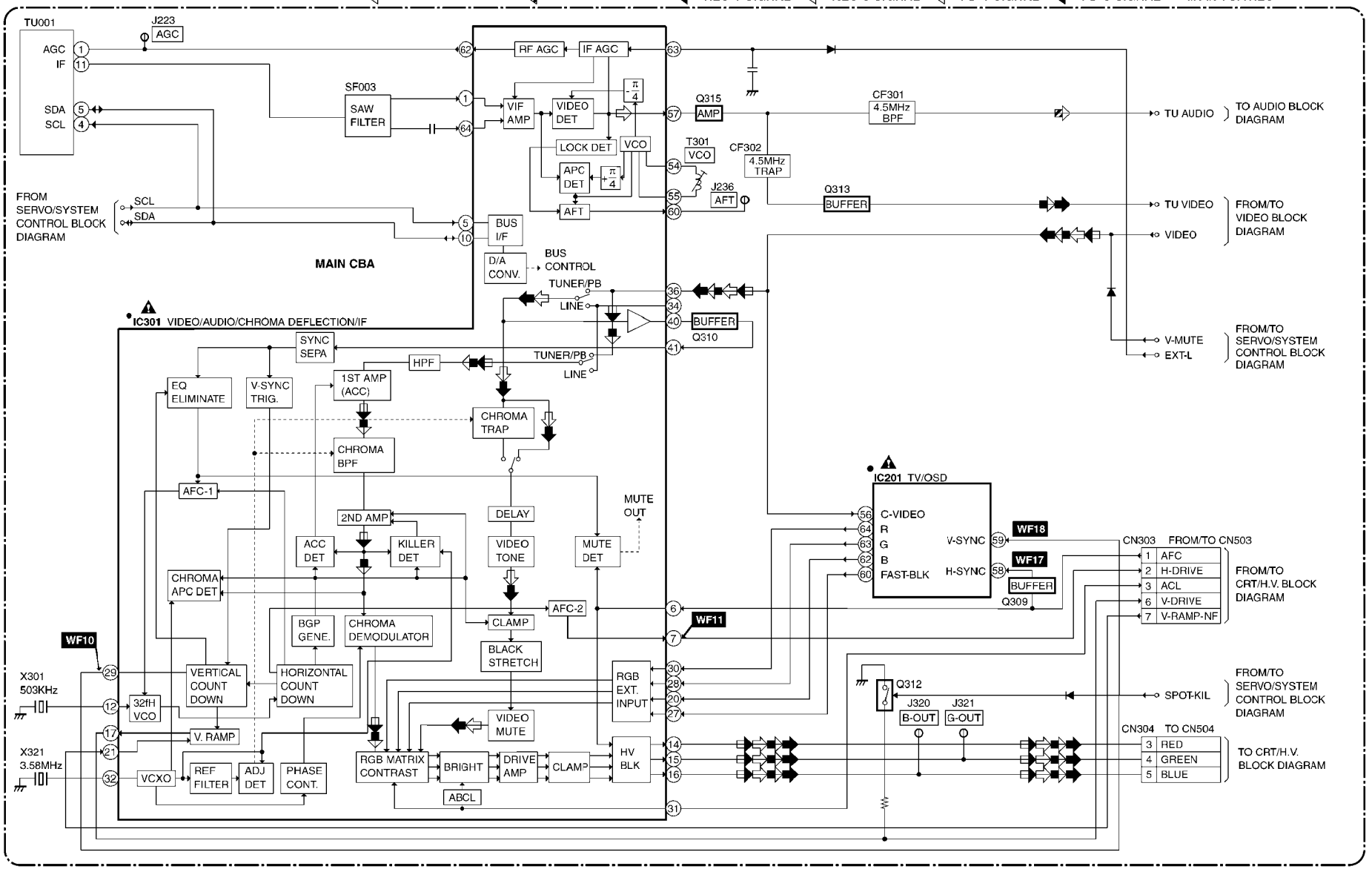
- ● :USED TO INDICATE A TEST POINT WITH A TEST PIN.

REC-AUDIO SIGNAL | PB-AUDIO SIGNAL | REC-Y SIGNAL | REC-C SIGNAL | PB-Y SIGNAL | PB-C SIGNAL | Mode : SP/REC



Power Supply Block Diagram
Model CCA092

Fixed voltage (or Autovoltage selectable) power supply circuit is used in this unit.
If Main Fuse (F1601, F1951) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC(DC) plug to the AC(DC) power supply. Otherwise it may cause some components in the power supply circuit to fail.

NOTE :
The voltage for parts in hot circuit is measured using hot GND as a common terminal.

CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE.
ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQES D'INCELE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE.
RISK OF FIRE-REPLACE FUSE AS MARKED.
"This symbol means last operating fuse."
"Ce symbole représente un fusible à fusion rapide."

CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE.
ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQES D'INCELE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE.
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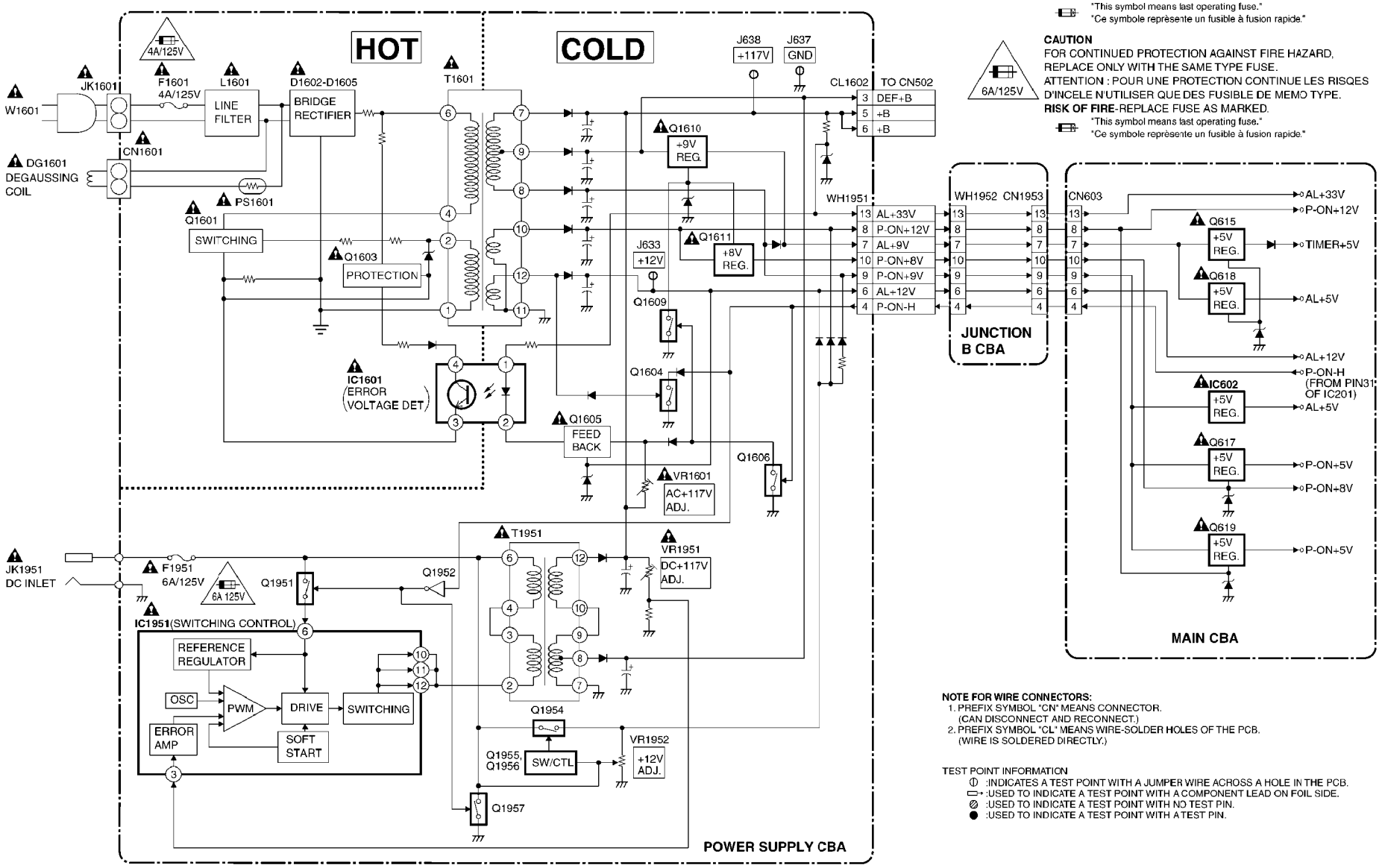

NOTE FOR WIRE CONNECTORS:
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2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

TEST POINT INFORMATION
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:USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.
:USED TO INDICATE A TEST POINT WITH NO TEST PIN.
:USED TO INDICATE A TEST POINT WITH A TEST PIN.

POWER SUPPLY BLOCK DIAGRAM - CCA092

Power Supply Block Diagram
13 & 19 inch

CAUTION !
Fixed voltage (or Autovoltage selectable) power supply circuit is used in this unit.
If Main Fuse (F601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.

NOTE :
The voltage for parts in hot circuit is measured using hot GND as a common terminal.

4A/125V

CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE FUSE.
ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQES D'INCELE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE.
RISK OF FIRE-REPLACE FUSE AS MARKED.
"This symbol means fast operating fuse."
"Ce symbole représente un fusible à fusion rapide."

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
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TEST POINT INFORMATION
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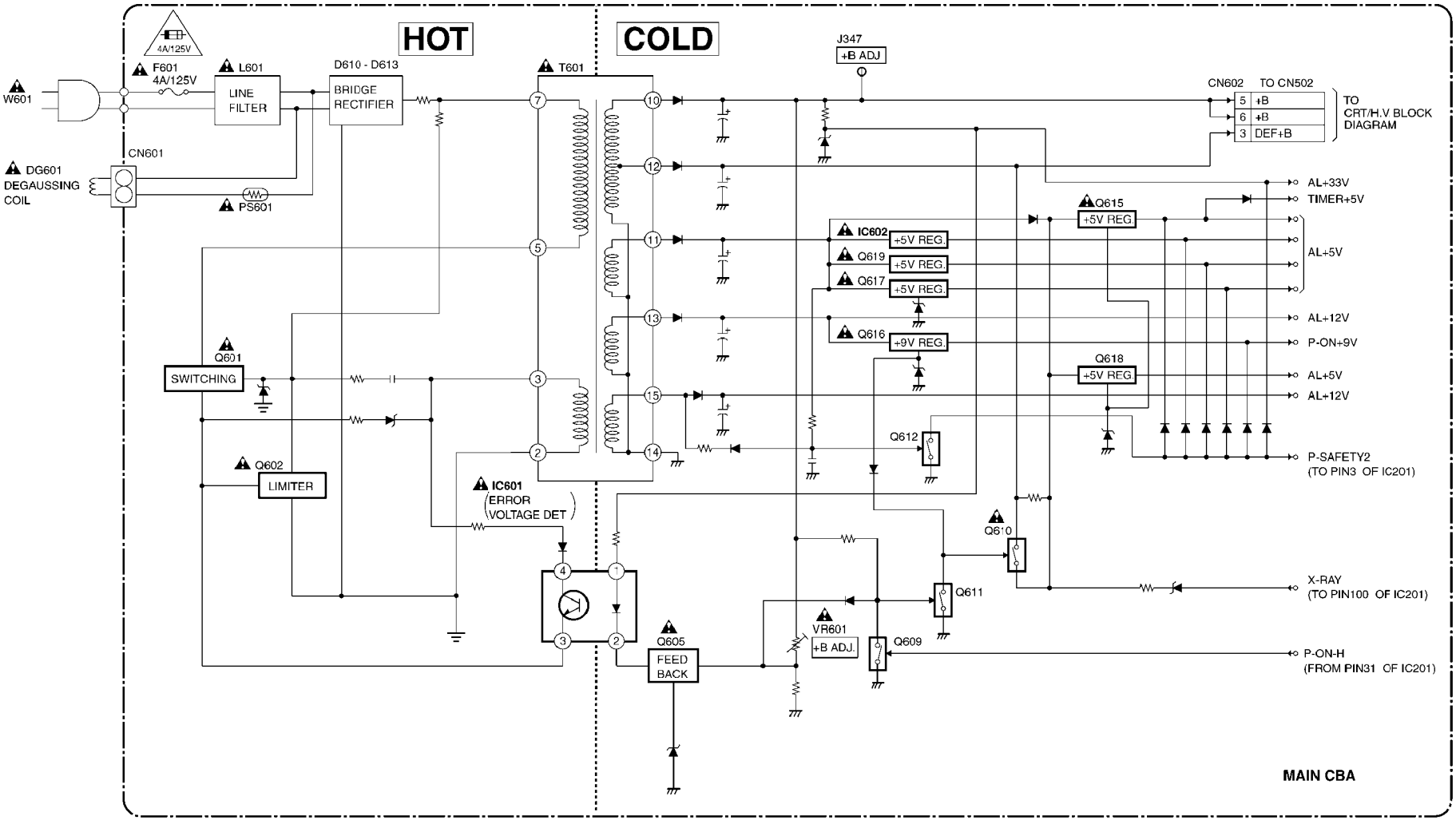
:USED TO INDICATE A TEST POINT WITH NO TEST PIN.
:USED TO INDICATE A TEST POINT WITH A TEST PIN.



POWER SUPPLY BLOCK DIAGRAM - 13 & 19 INCH MODELS

Power Supply Block Diagram

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
2. PREFIX SYMBOL "C.." MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

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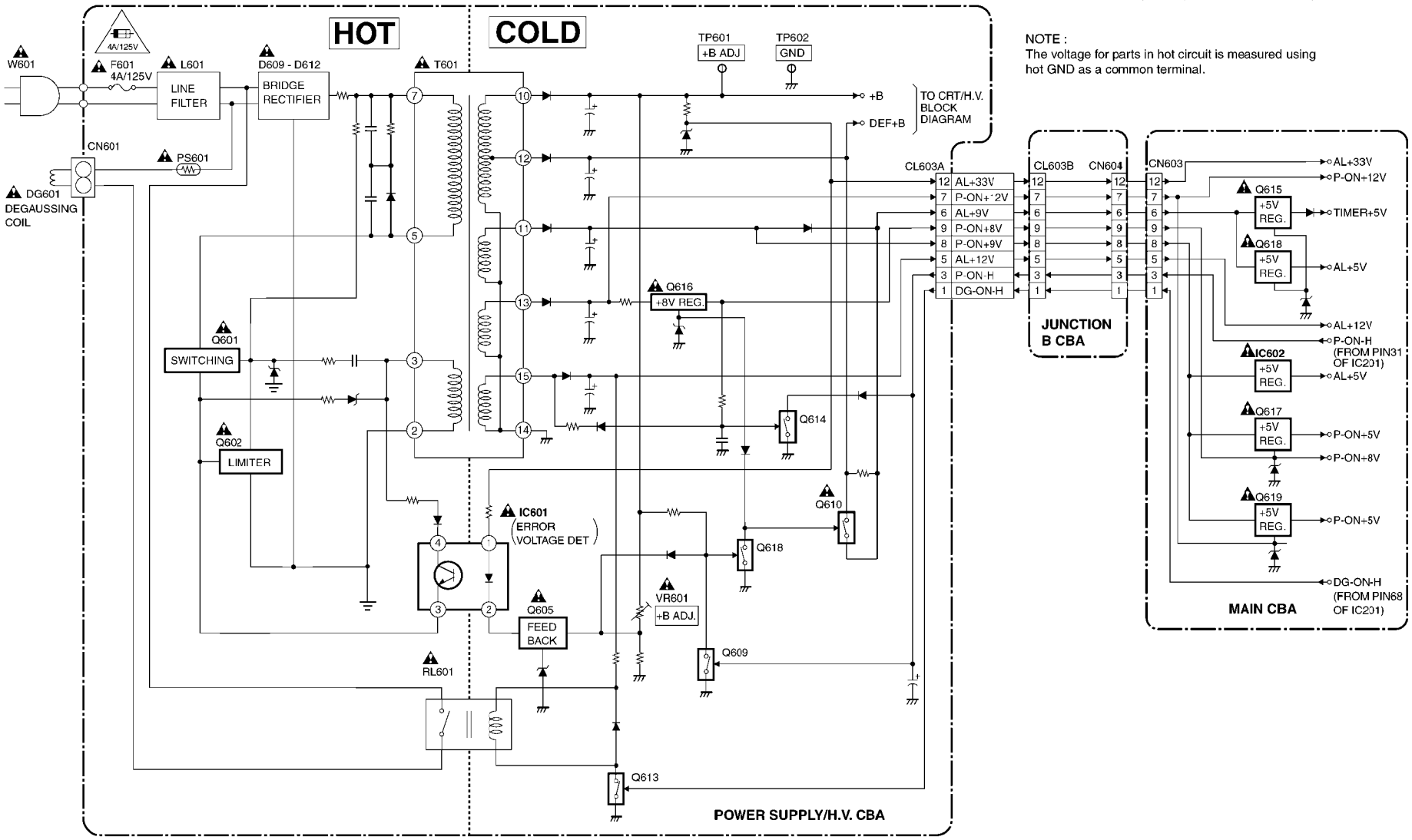
- ● :USED TO INDICATE A TEST POINT WITH A TEST PIN.

CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE.
ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQES D'INCELE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE.
RISK OF FIRE-REPLACE FUSE AS MARKED.
"This symbol means fast operating fuse."
"Ce symbole représente un fusible à fusion rapide."

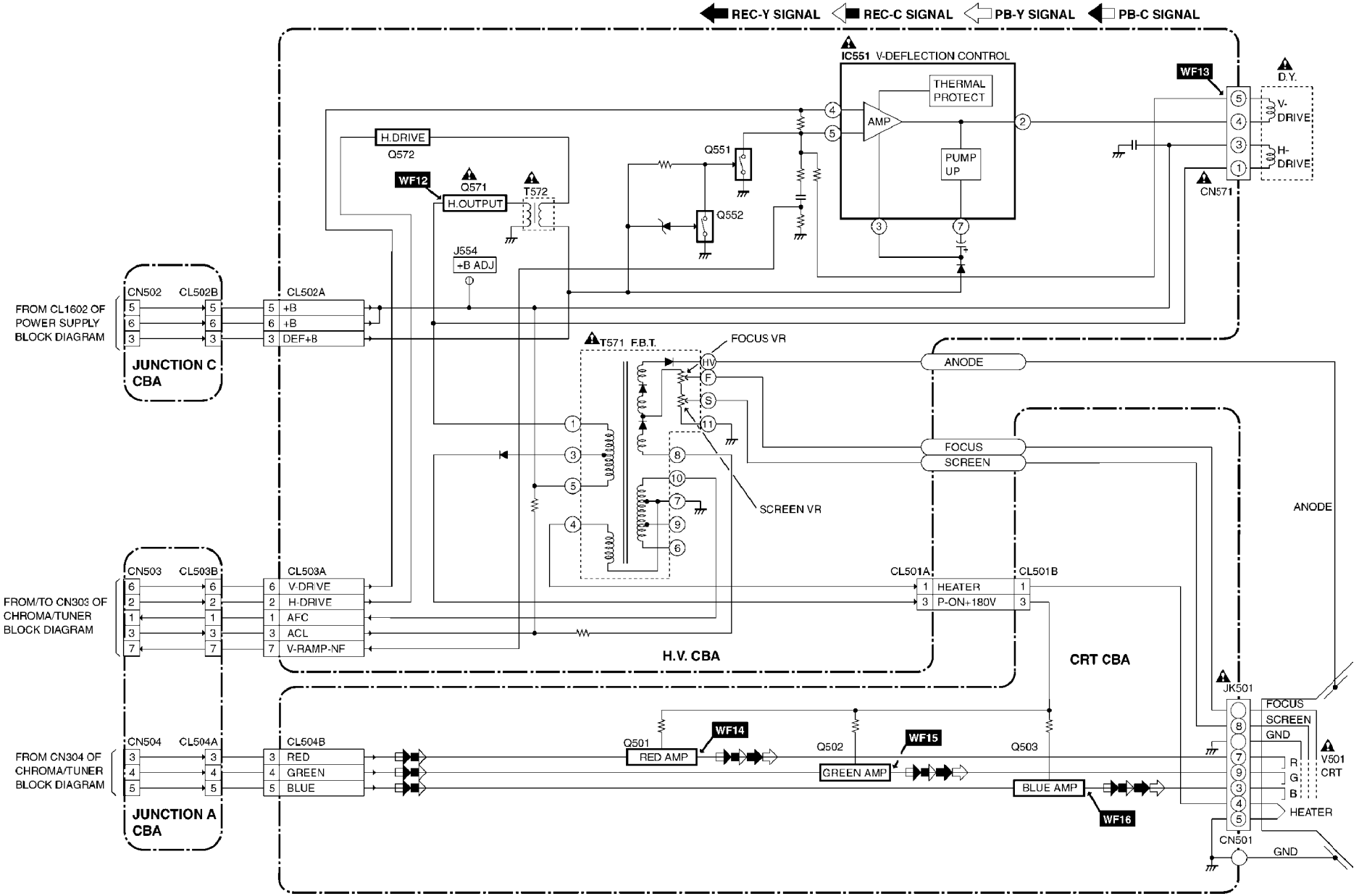


NOTE :
The voltage for parts in hot circuit is measured using hot GND as a common terminal.

CRT/H.V. Block Diagram
Model CCA092

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

TEST POINT INFORMATION
- ⓘ :INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB.
- ▭→ :USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.
- ⊘ :USED TO INDICATE A TEST POINT WITH NO TEST PIN.
- ● :USED TO INDICATE A TEST POINT WITH A TEST PIN.



CRT / HIGH VOLTAGE BLOCK DIAGRAM - CCA092

CRT/H.V. Block Diagram
13 inch

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

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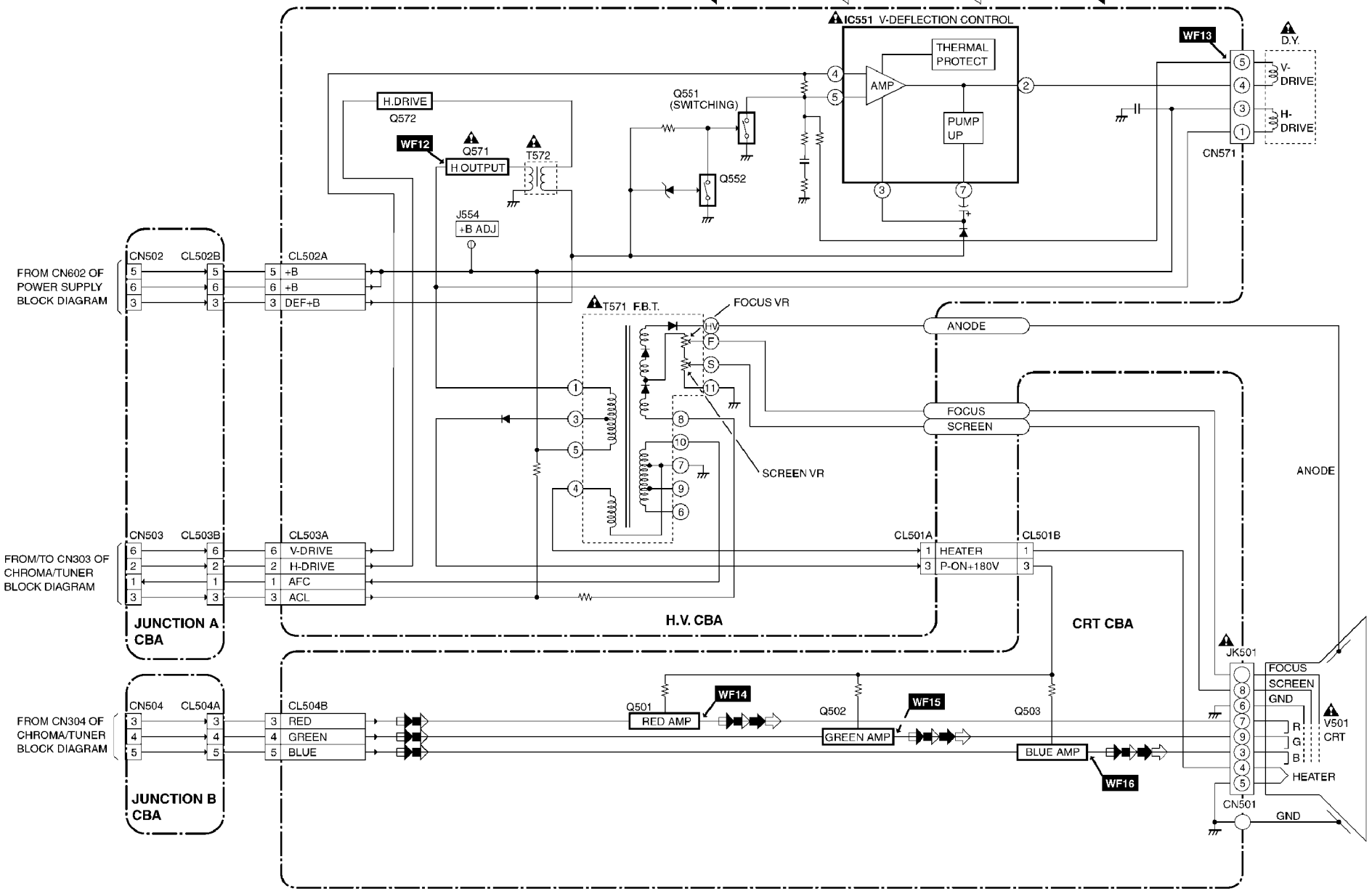
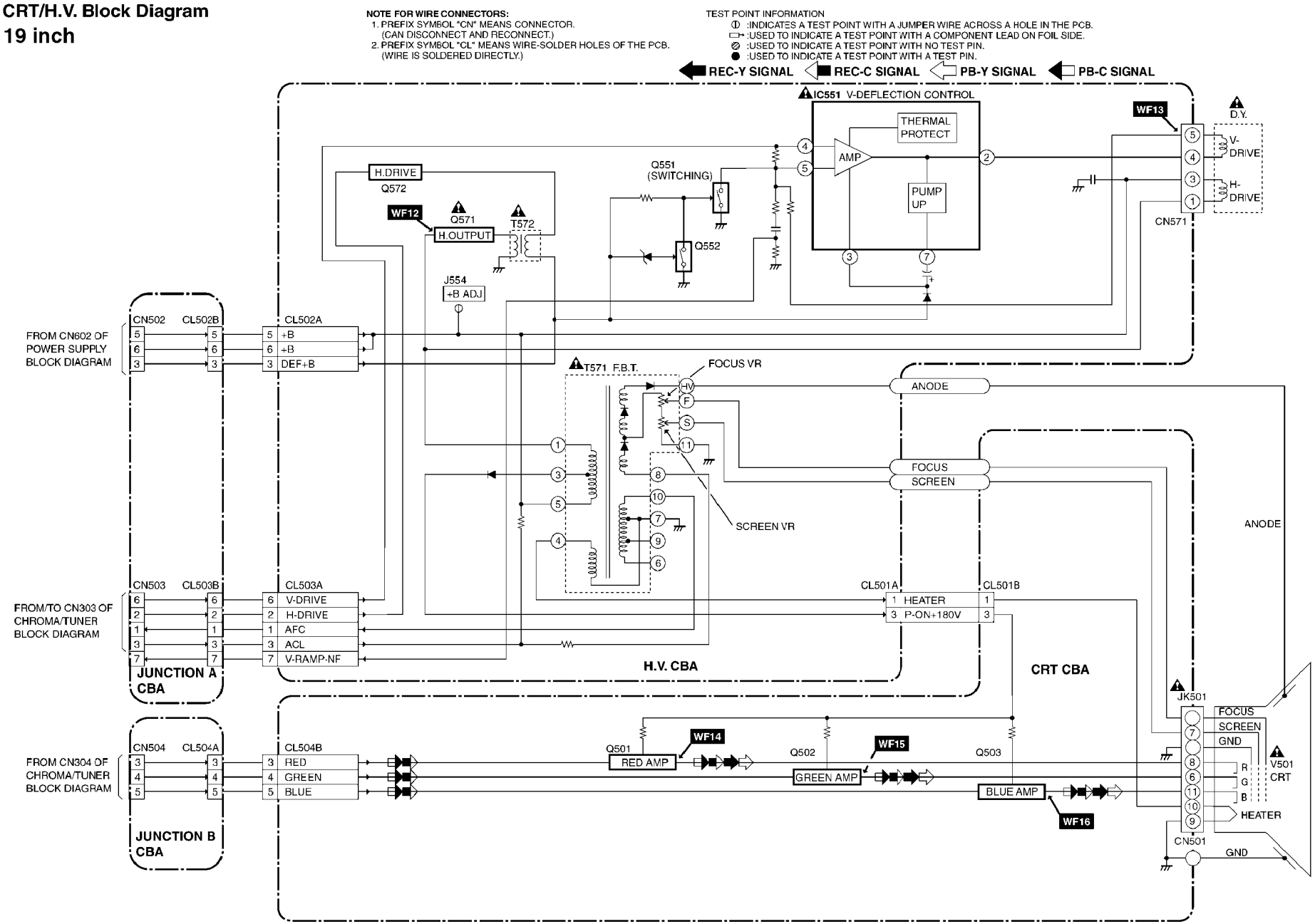
- ● :USED TO INDICATE A TEST POINT WITH A TEST PIN.

REC-Y SIGNAL | REC-C SIGNAL | PB-Y SIGNAL | PB-C SIGNAL



CRT / HIGH VOLTAGE BLOCK DIAGRAM - 13 INCH MODELS

CRT/H.V. Block Diagram
19 inch



CRT / HIGH VOLTAGE BLOCK DIAGRAM - 19 INCH MODELS
VIDEO BLOCK DIAGRAM - CCA191, 192

CRT/H.V. Block Diagram

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

TEST POINT INFORMATION
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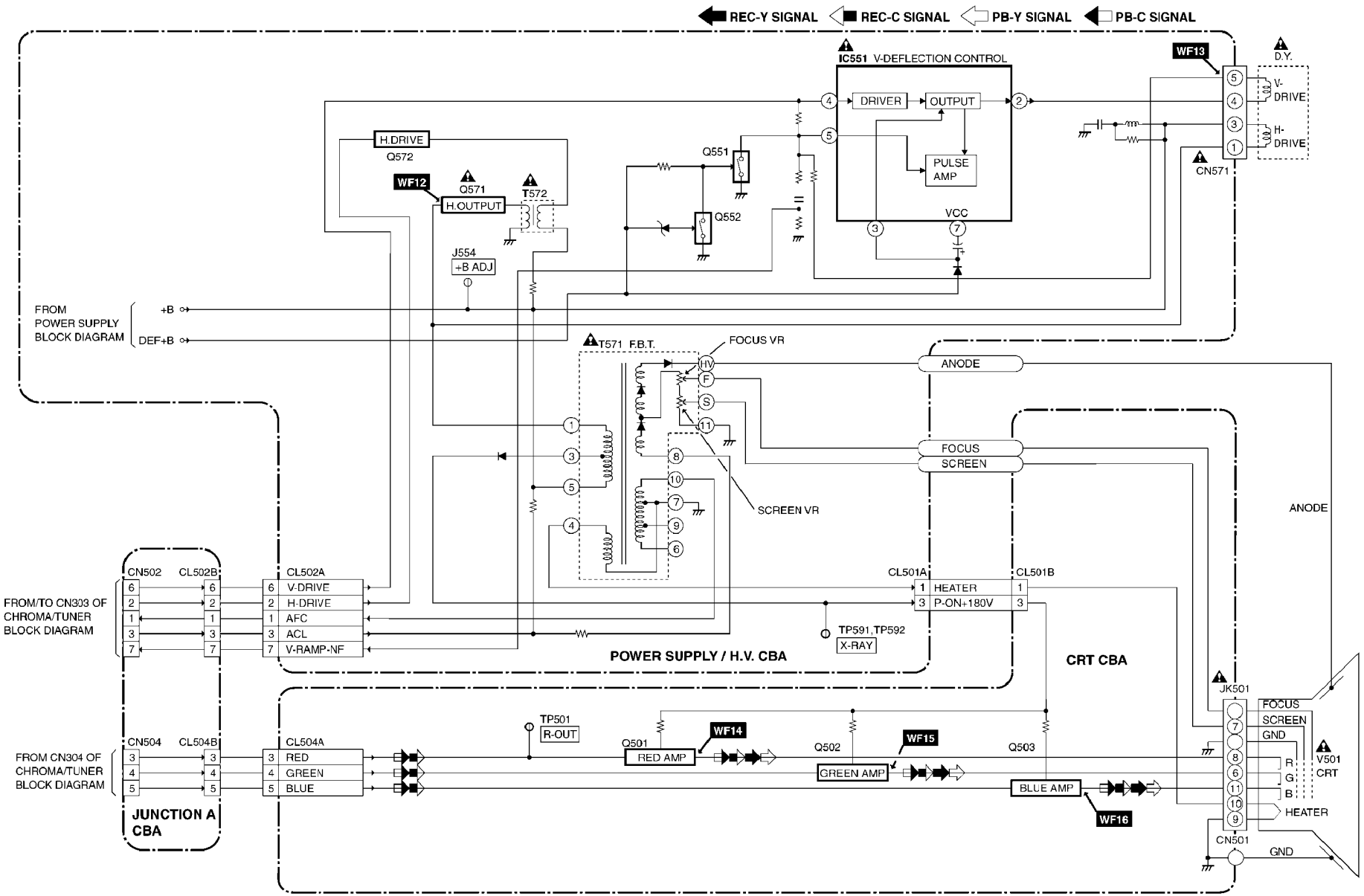
- ▨ :USED TO INDICATE A TEST POINT WITH NO TEST PIN.
- ● :USED TO INDICATE A TEST POINT WITH A TEST PIN.



CRT / HIGH VOLTAGE BLOCK DIAGRAM - CCA252
CRT / HIGH VOLTAGE BLOCK DIAGRAM - CCA255

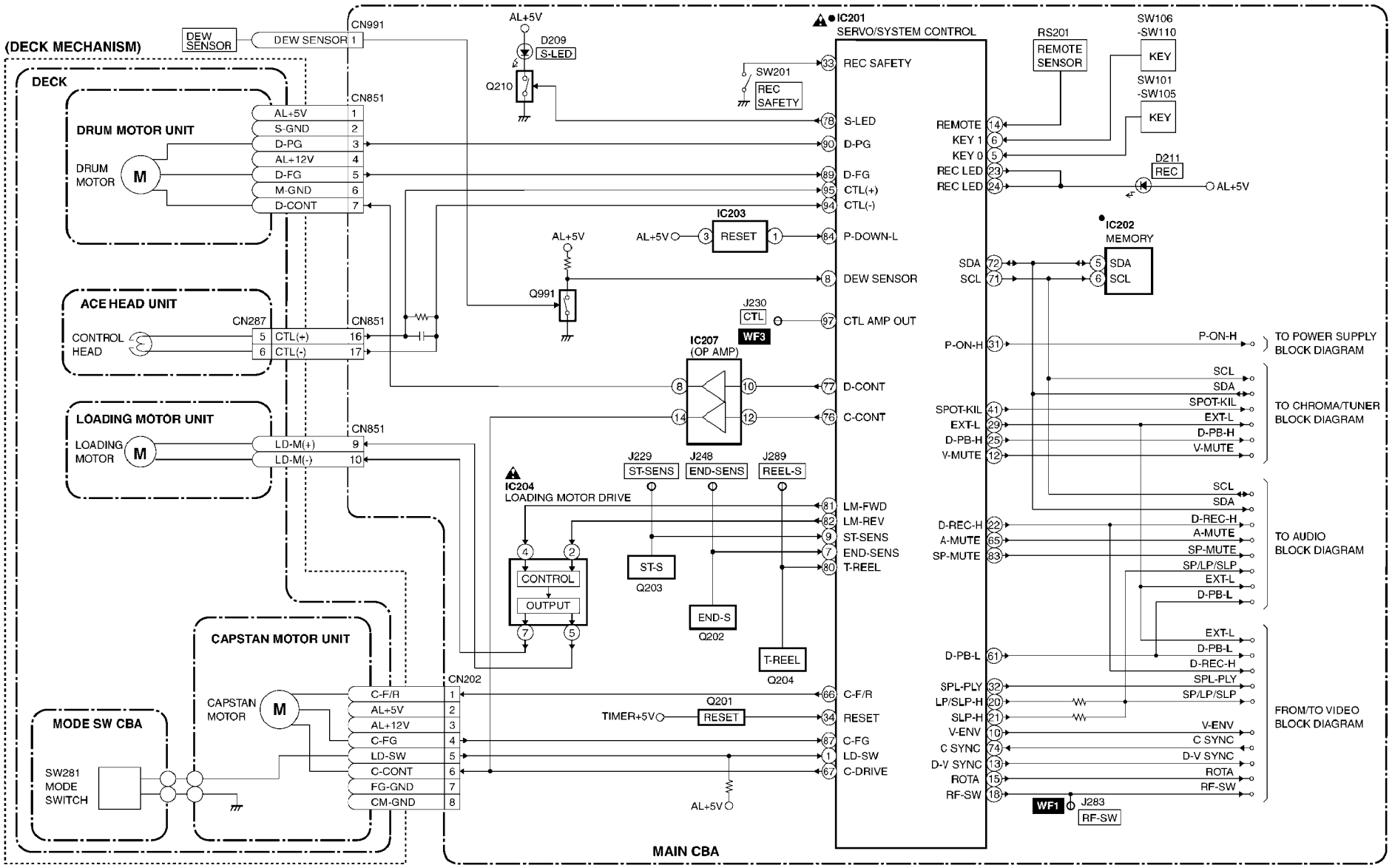
Servo/System Control Block Diagram
Model CCA092

BLOCK DIAGRAMS

" ● " = SMD

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR (CAN DISCONNECT AND RECONNECT.)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

TEST POINT INFORMATION
- ⓘ :INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB.
- ⇨ :USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.
- ⊘ :USED TO INDICATE A TEST POINT WITH NO TEST PIN.
- ● :USED TO INDICATE A TEST POINT WITH A TEST PIN.



BLOCK DIAGRAMS

Servo/System Control Block Diagram
13 inch

*1 NOTE: The loading motor drive IC is either IC204 or IC204A.
These ICs are exchangeable parts.

"●" = SMD

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

TEST POINT INFORMATION
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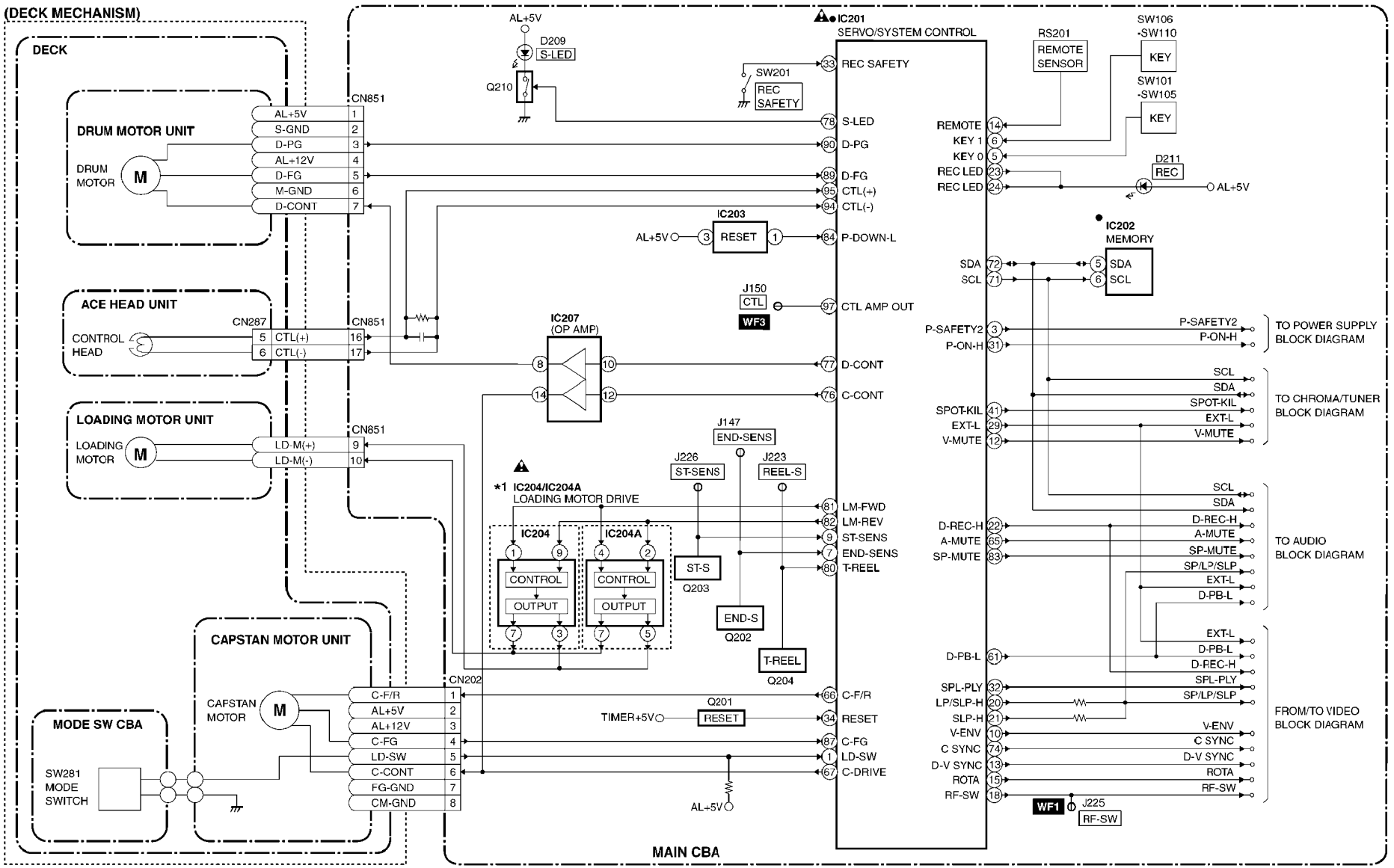
- ● :USED TO INDICATE A TEST POINT WITH A TEST PIN.



BLOCK DIAGRAMS

Servo/System Control Block Diagram
Model CCA134 , 194

*1 NOTE: The loading motor drive IC is either IC204 or IC204A.
These ICs are exchangeable parts.

"●" = SMD

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

TEST POINT INFORMATION
- ⓘ :INDICATES A TEST POINT WITH A JUMPER WIRE ACROSS A HOLE IN THE PCB.
- ▭→ :USED TO INDICATE A TEST POINT WITH A COMPONENT LEAD ON FOIL SIDE.
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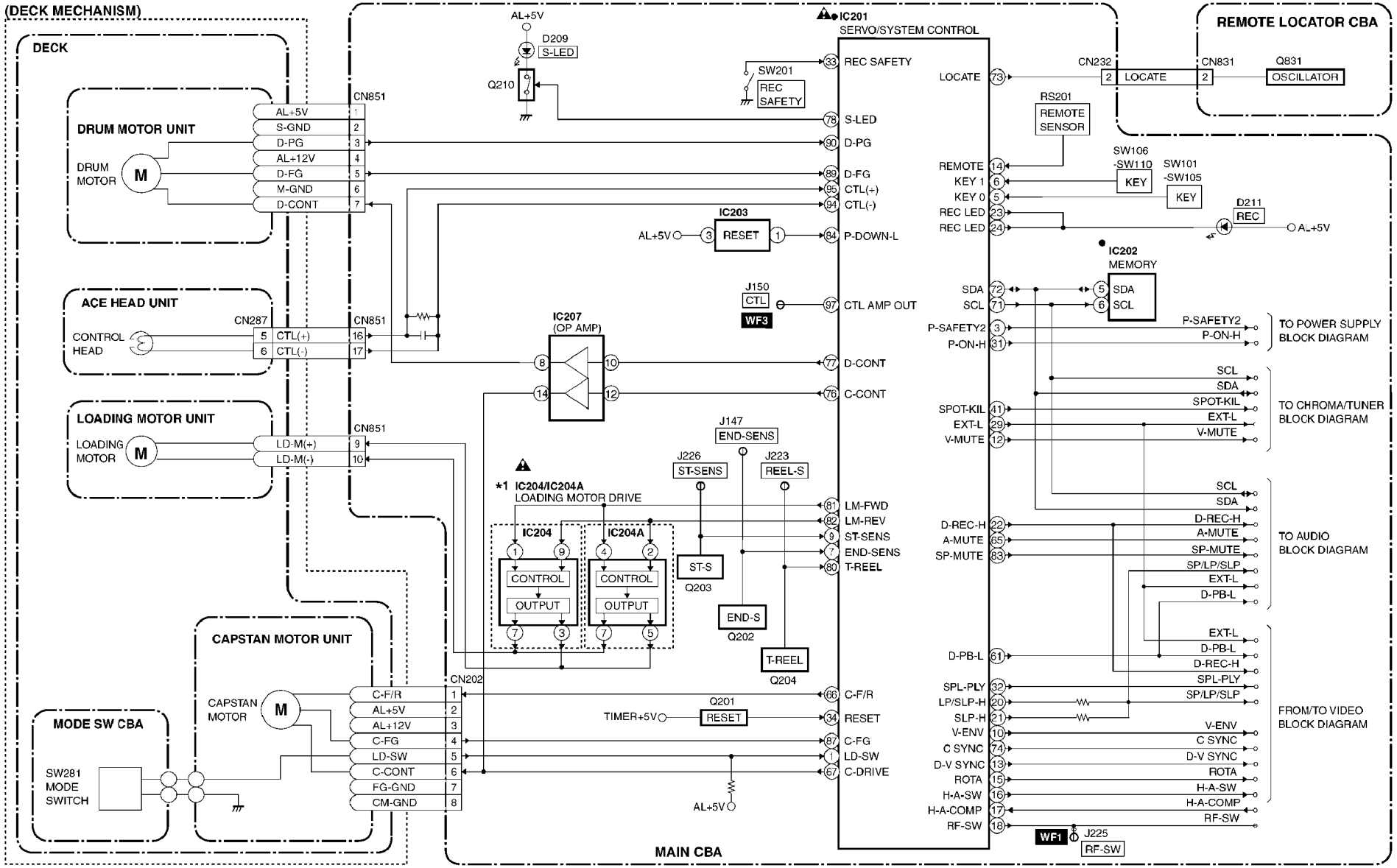
- ● :USED TO INDICATE A TEST POINT WITH A TEST PIN.



SERVO / SYSTEM CONTROL BLOCK DIAGRAM -CCA134

BLOCK DIAGRAMS

Servo/System Control Block Diagram
19 inch

*1 NOTE: The loading motor drive IC is either IC204 or IC204A.
These ICs are exchangeable parts.

"●" = SMD

NOTE FOR WIRE CONNECTORS:
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2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

TEST POINT INFORMATION
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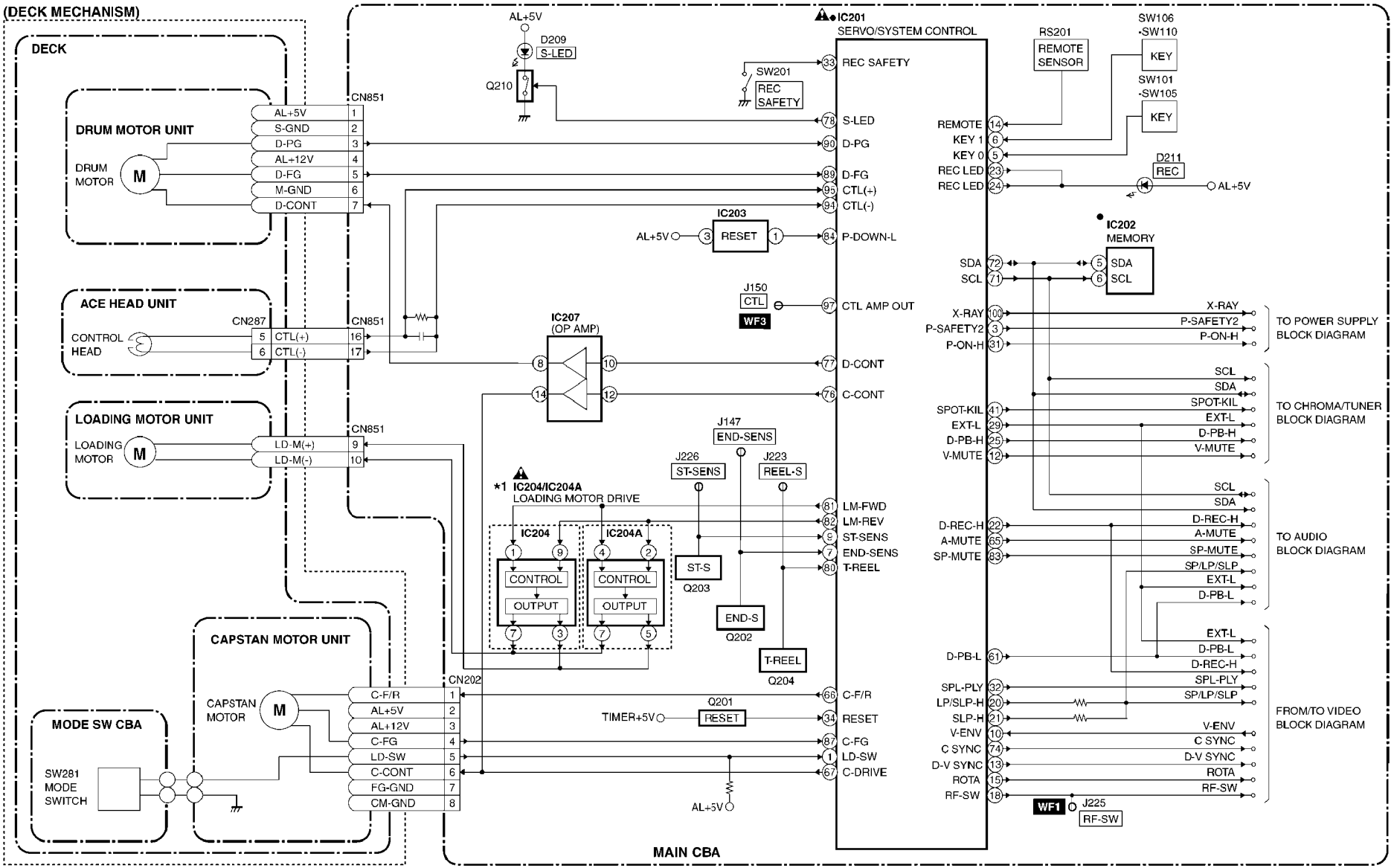
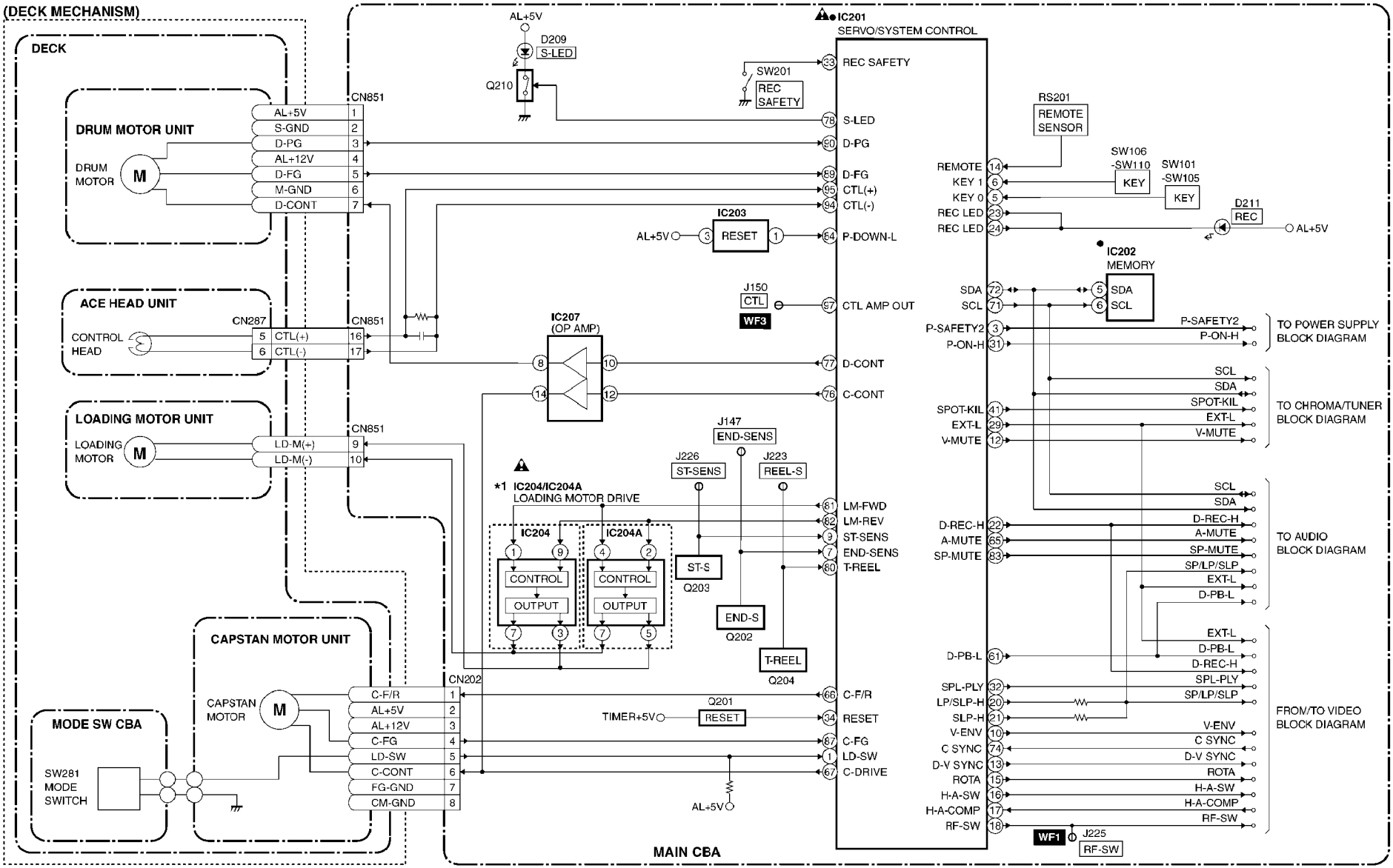
- ● :USED TO INDICATE A TEST POINT WITH A TEST PIN.



BLOCK DIAGRAMS

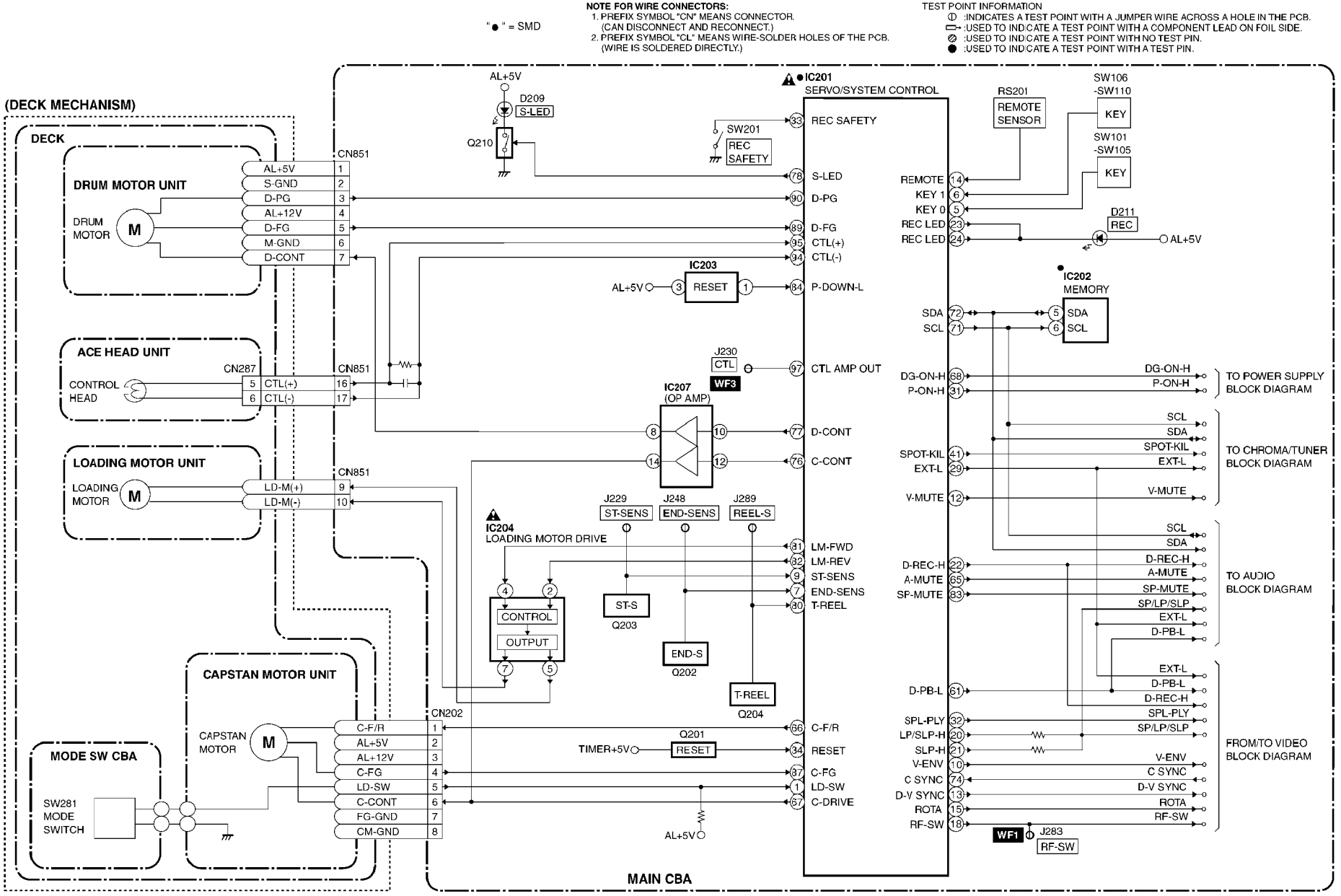
Servo/System Control Block Diagram



SERVO / SYSTEM CONTROL BLOCK DIAGRAM - CCA193

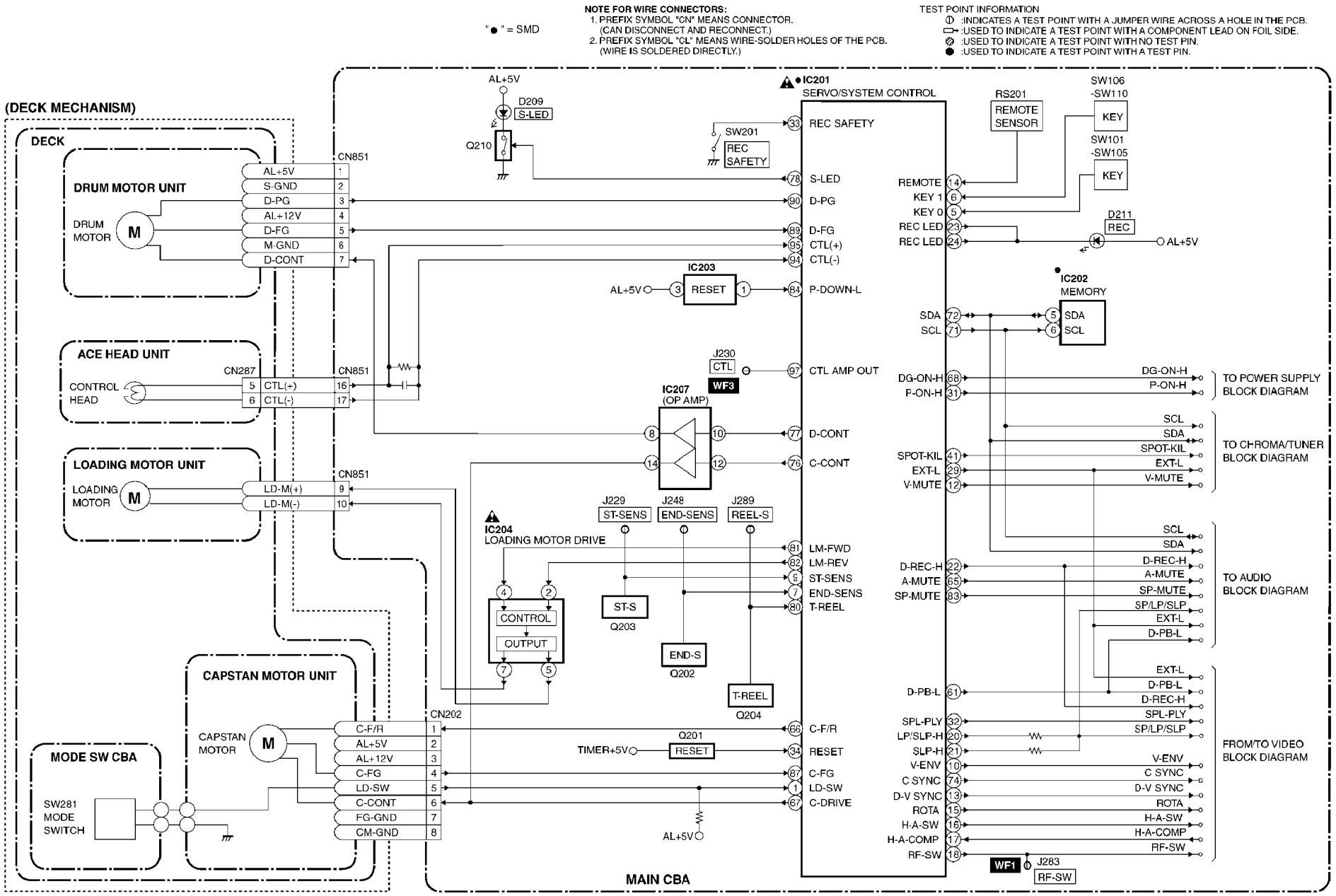
Servo/System Control Block Diagram

BLOCK DIAGRAMS



Servo/System Control Block Diagram

BLOCK DIAGRAMS



Video Block Diagram
Model CCA092

"● " = SMD

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
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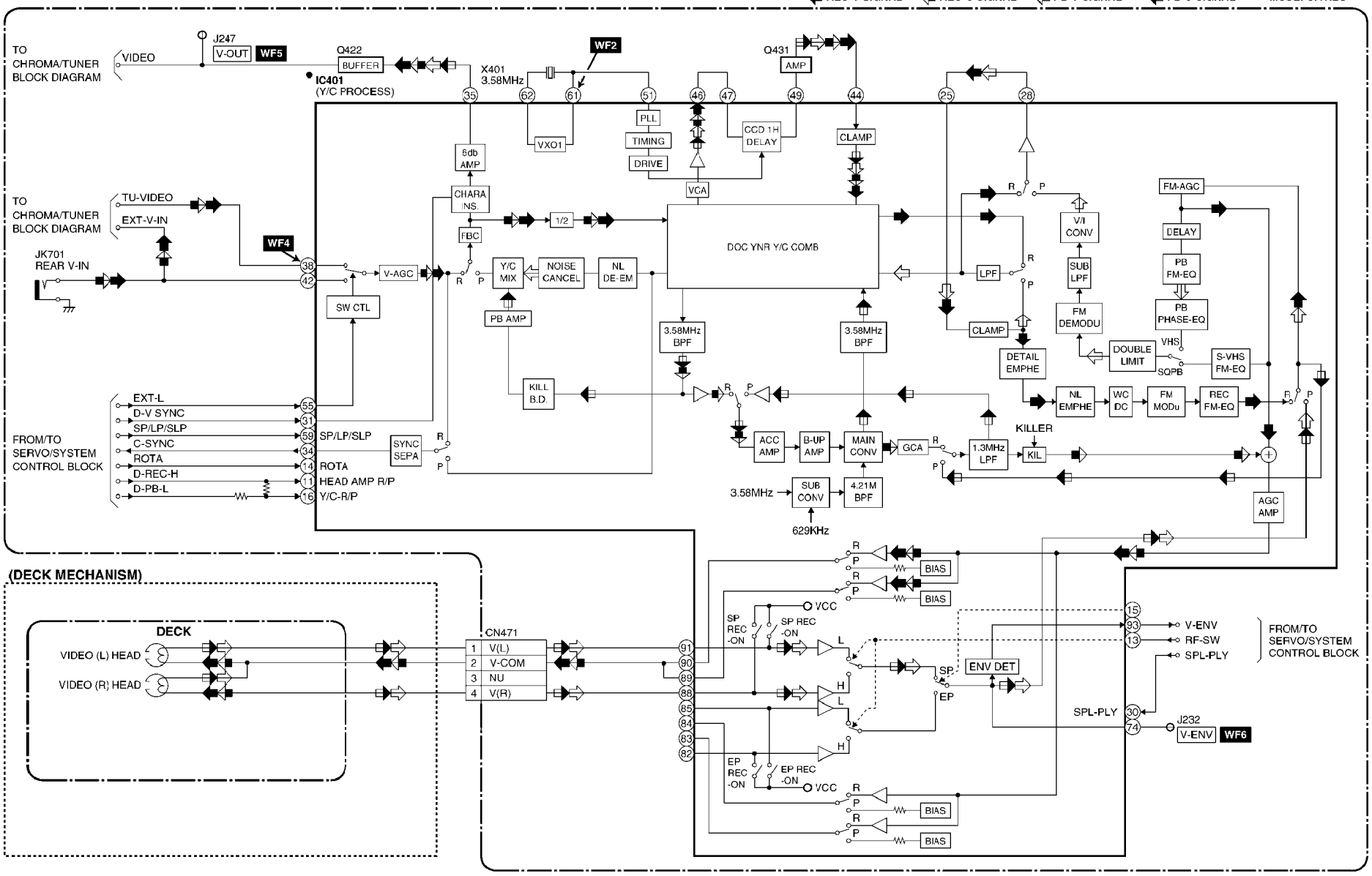
- ● :USED TO INDICATE A TEST POINT WITH A TEST PIN.

REC-Y SIGNAL | REC-C SIGNAL | PB-Y SIGNAL | PB-C SIGNAL | MODE: SP/REC



VIDEO BLOCK DIAGRAM - CCA092

Video Block Diagram
13 inch

"● " = SMD

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
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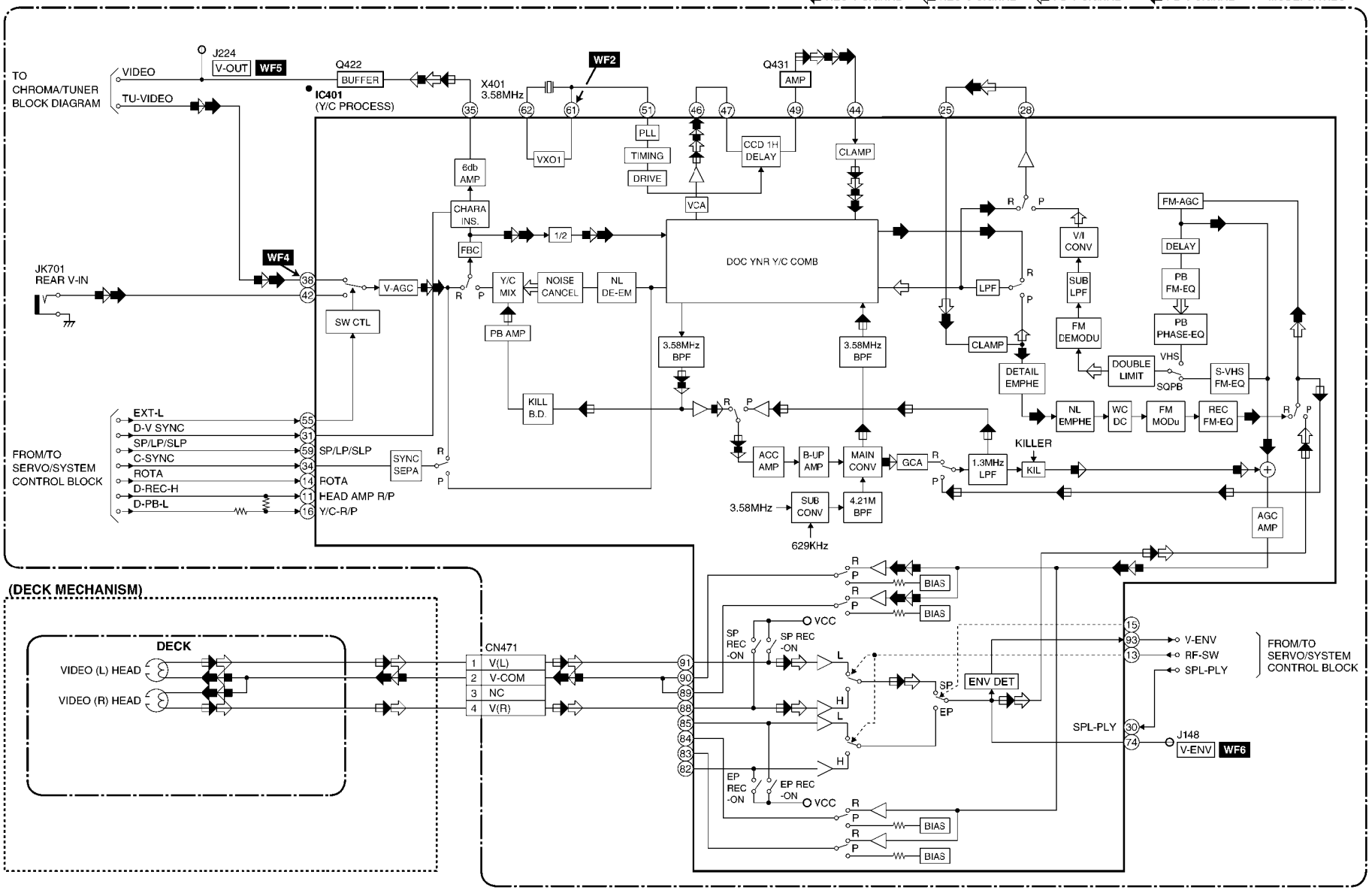
- ● :USED TO INDICATE A TEST POINT WITH A TEST PIN.

REC-Y SIGNAL | REC-C SIGNAL | PB-Y SIGNAL | PB-C SIGNAL | MODE: SP/REC



VIDEO BLOCK DIAGRAM - CCA132

Video Block Diagram
MODELS CCA134, 194

"● " = SMD

NOTE FOR WIRE CONNECTORS:
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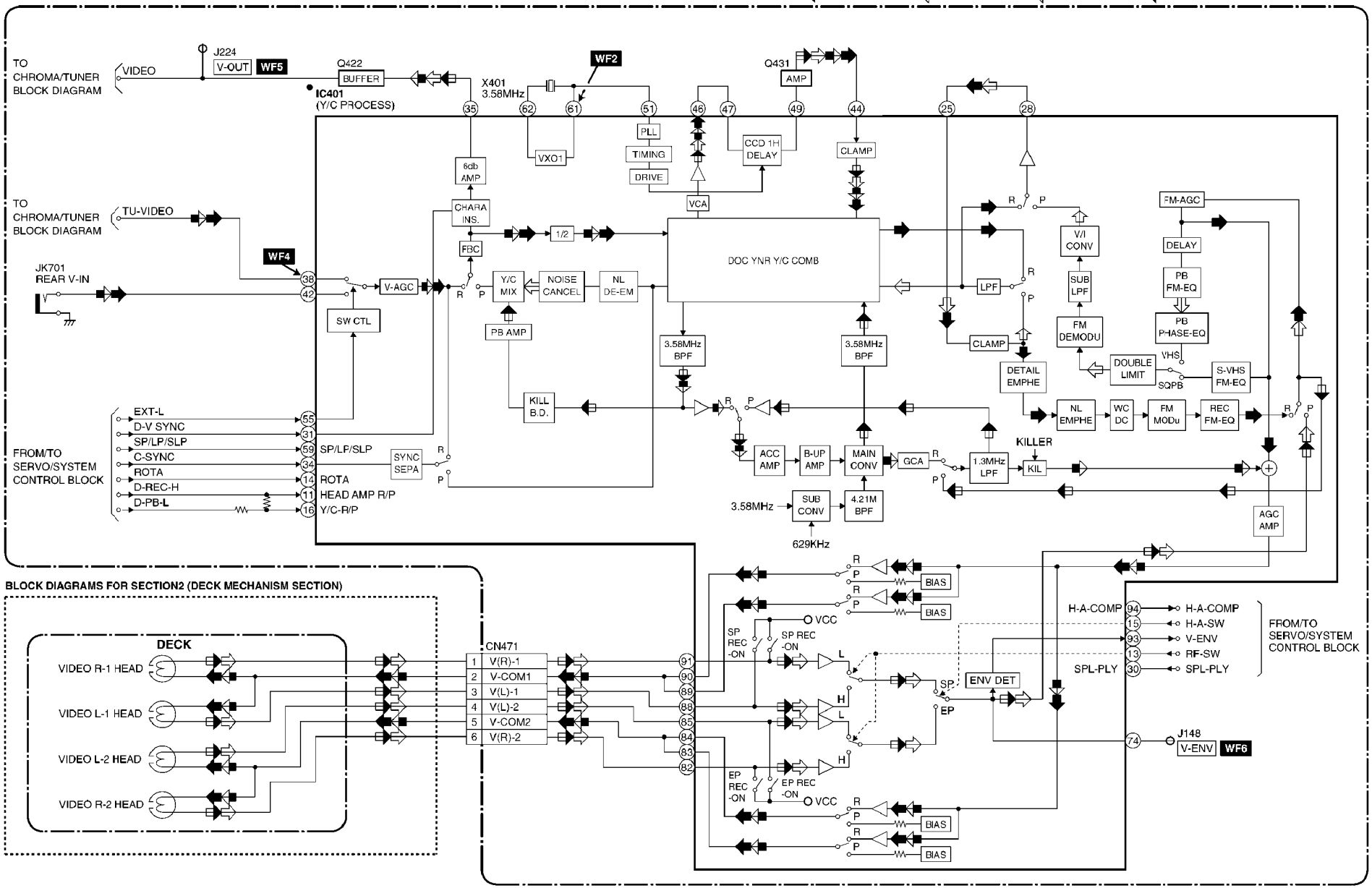
◀ REC-Y SIGNAL ◀ REC-C SIGNAL ◁ PB-Y SIGNAL ◀ PB-C SIGNAL MODE: SP/REC



VIDEO BLOCK DIAGRAM - CCA134, 194

Video Block Diagram

"● " = SMD

NOTE FOR WIRE CONNECTORS:
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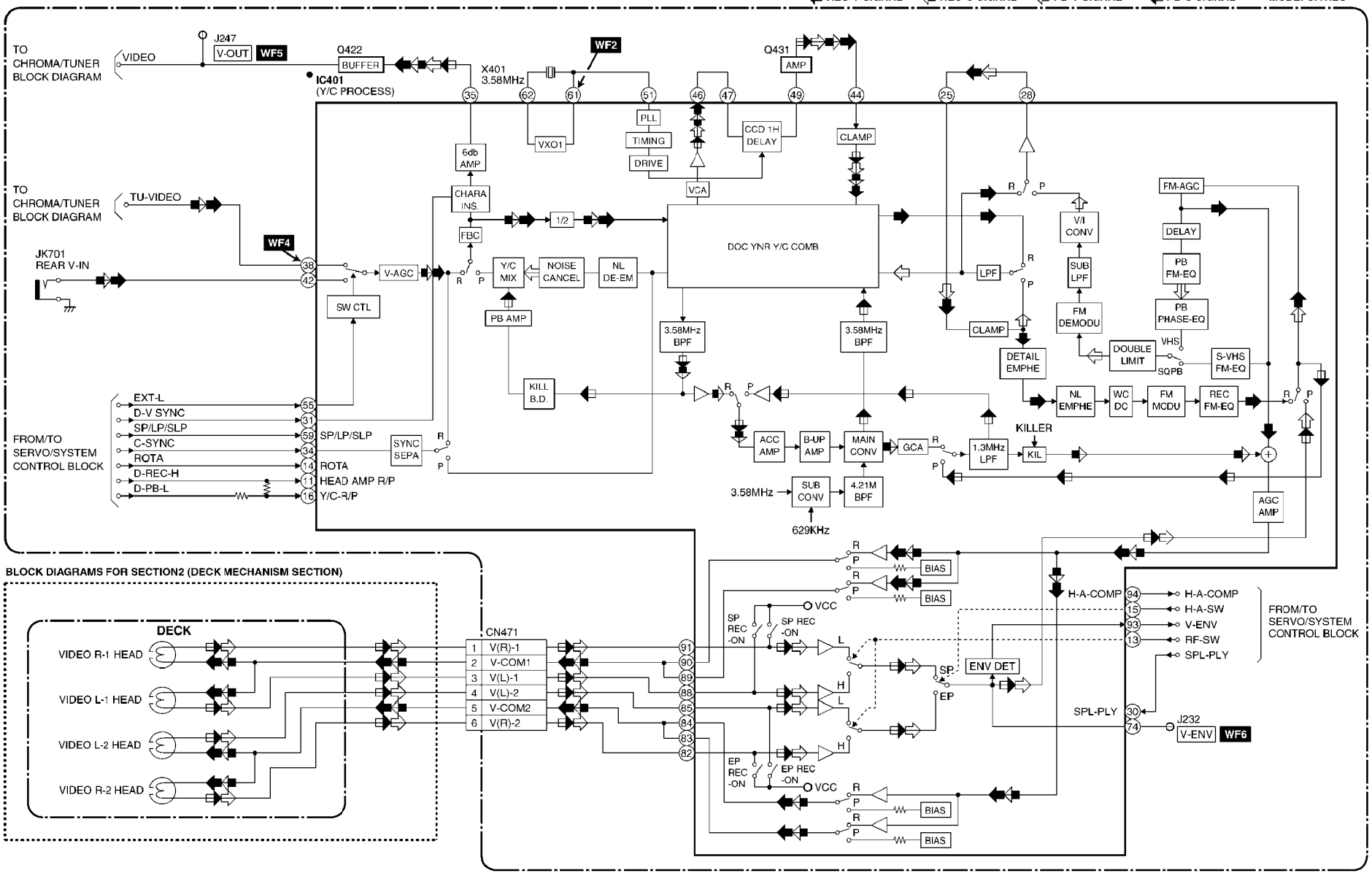
REC-Y SIGNAL | REC-C SIGNAL | PB-Y SIGNAL | PB-C SIGNAL | MODE: SP/REC



Video Block Diagram

"● " = SMD

NOTE FOR WIRE CONNECTORS:
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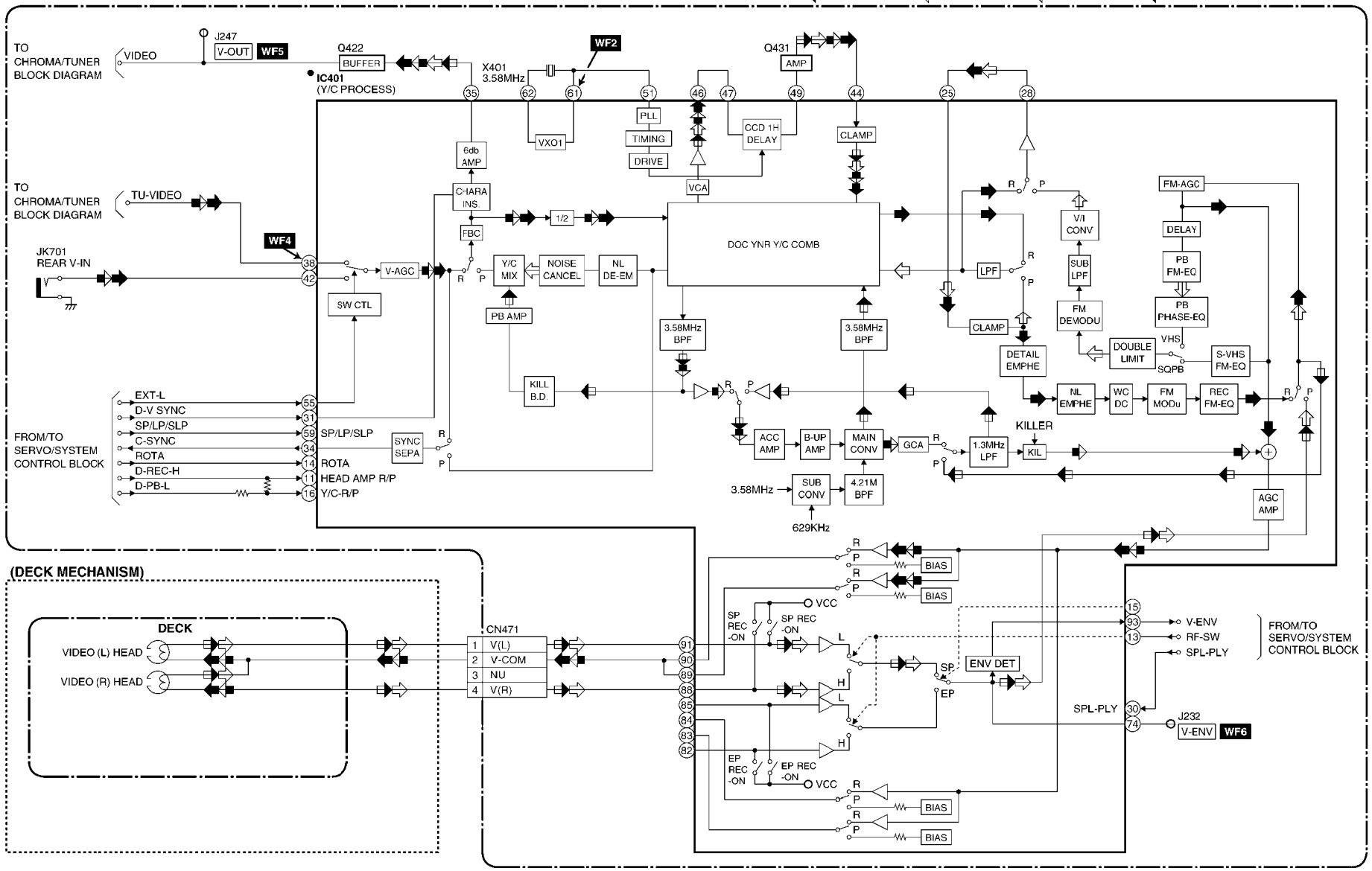
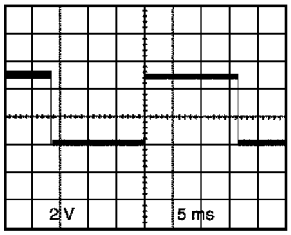
◀ REC-Y SIGNAL ◀ REC-C SIGNAL ◁ PB-Y SIGNAL ◁ PB-C SIGNAL MODE: SP/REC



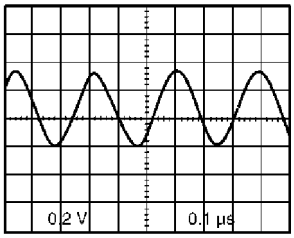
VIDEO BLOCK DIAGRAM - CCA252

(5866)



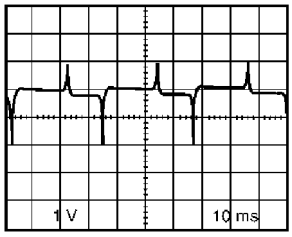
WF1 MAIN 2/4 SCHEMATIC DIAGRAM
J225 RF SW

WF 1
5V p-p
5msec



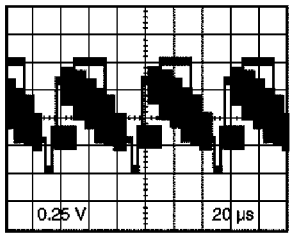
WF2 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 61

WF 2
0.5V p-p
0.1usec



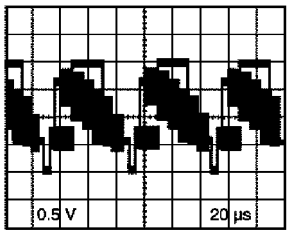
WF3 MAIN 1/4 SCHEMATIC DIAGRAM
J115 CTL

WF 3
3V p-p
10msec



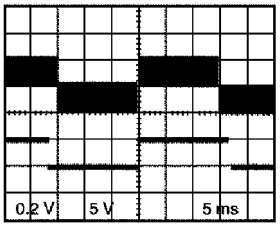
WF4 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 38

WF 4
1V p-p
20usec



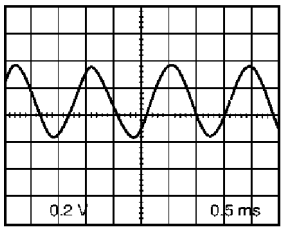
WF5 MAIN 2/4 SCHEMATIC DIAGRAM
J224 V-OUT

WF 5
2Vp-p
20usec



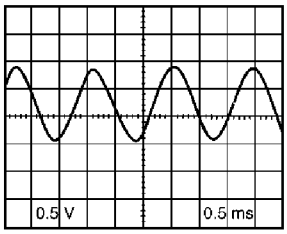
Upper: WF6 Lower: WF1
MAIN 2/4 SCHEMATIC DIAGRAM J148 V-ENV

WF 6
0.4V p-p
5msec



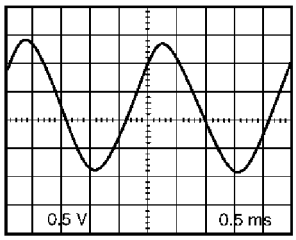
WF7 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 47

WF 7
0.5V p-p
0.5msec



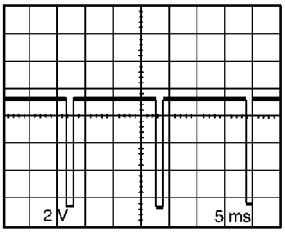
WF8 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 96

WF 8
1.5V p-p
0.5msec



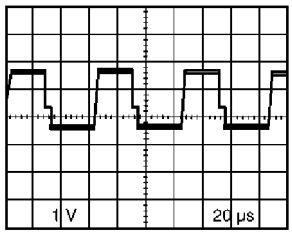
WF9 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 7

WF 9
2.2V p-p
0.5msec



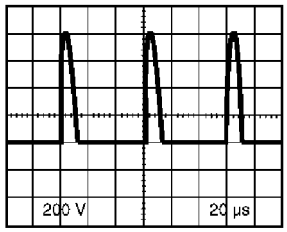
WF10 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 29

WF10
8V p-p
5msec



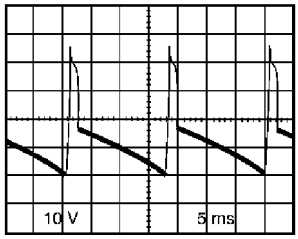
WF11 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 29

WF11
2V p-p
20usec



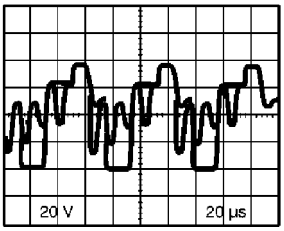
WF12 H/V SCHEMATIC DIAGRAM
Q571 COLLECTOR

WF12
800V p-p
20usec



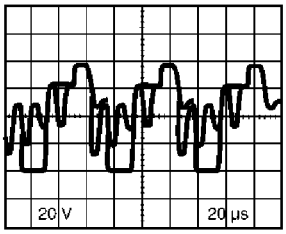
WF13 H/V SCHEMATIC DIAGRAM
CN571 PIN 5

WF13
45V p-p
5msec



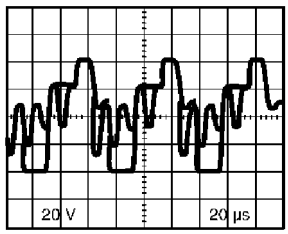
WF14 CRT SCHEMATIC DIAGRAM
Q501 COLLECTOR

WF14
80V p-p
20usec



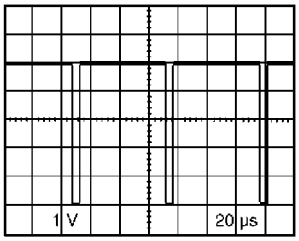
WF15 CRT SCHEMATIC DIAGRAM
Q502 COLLECTOR

WF15
80V p-p
20usec



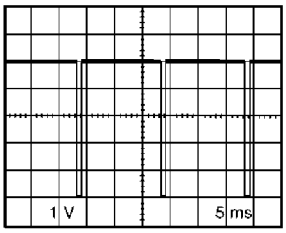
WF16 CRT SCHEMATIC DIAGRAM
Q503 COLLECTOR

WF16
80V p-p
20usec



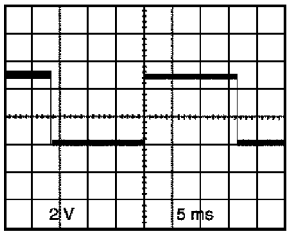
WF17 MAIN 1/4 SCHEMATIC DIAGRAM
IC201 PIN 58

WF17
5V p-p
20usec



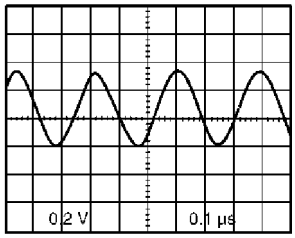
WF18 MAIN 1/4 SCHEMATIC DIAGRAM
IC101 PIN 2

WF18
5V p-p
5msec



WF1 MAIN 2/4 SCHEMATIC DIAGRAM
J225 RF SW

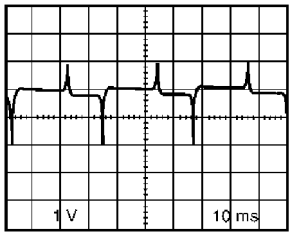
WF 1
5V p-p
5msec



WF2 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 61

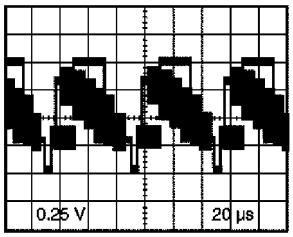
WF 2
0.5V p-p
0.1usec

(5866)



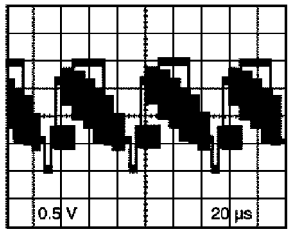
WF3 MAIN 1/4 SCHEMATIC DIAGRAM
J115 CTL

WF 3
3V p-p
10msec



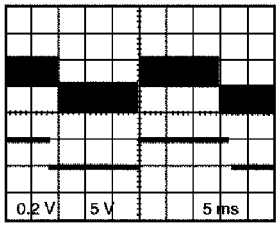
WF4 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 38

WF 4
1V p-p
20usec



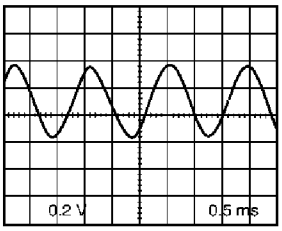
WF5 MAIN 2/4 SCHEMATIC DIAGRAM
J224 V-OUT

WF 5
2Vp-p
20usec



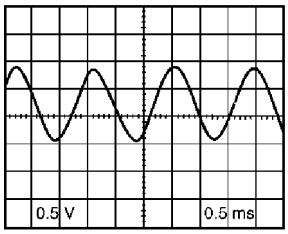
Upper: WF6 Lower: WF1
MAIN 2/4 SCHEMATIC DIAGRAM J148 V-ENV

WF 6
0.4V p-p
5msec



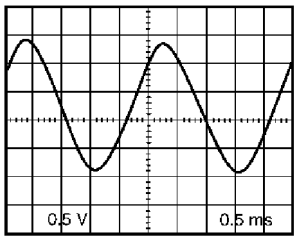
WF7 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 47

WF 7
0.5V p-p
0.5msec



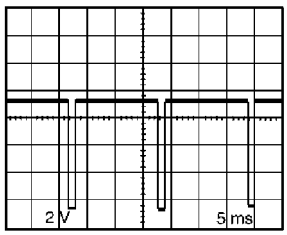
WF8 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 96

WF 8
1.5V p-p
0.5msec



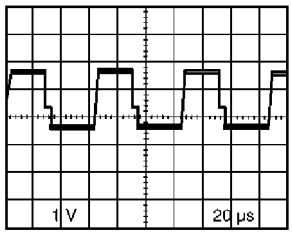
WF9 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 7

WF 9
2.2V p-p
0.5msec



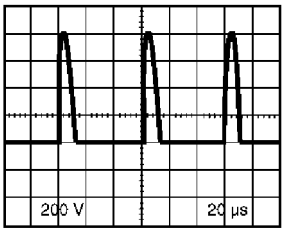
WF10 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 29

WF10
8V p-p
5msec



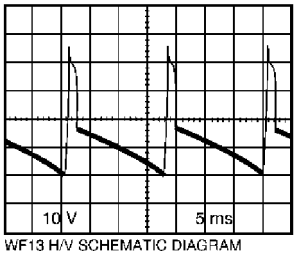
WF11 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 29

WF11
2V p-p
20usec



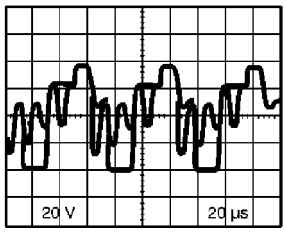
WF12 H/V SCHEMATIC DIAGRAM
Q571 COLLECTOR

WF12
800V p-p
20usec



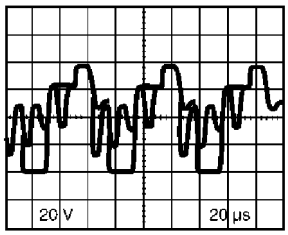
WF13 H/V SCHEMATIC DIAGRAM
CN571 PIN 5

WF13
45V p-p
5msec



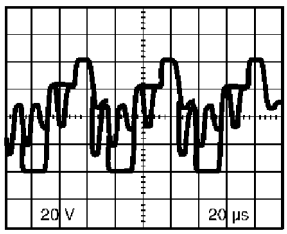
WF14 CRT SCHEMATIC DIAGRAM
Q501 COLLECTOR

WF14
80V p-p
20usec



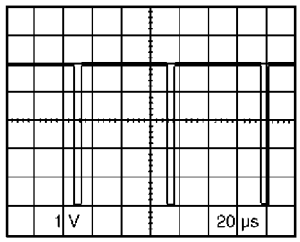
WF15 CRT SCHEMATIC DIAGRAM
Q502 COLLECTOR

WF15
80V p-p
20usec



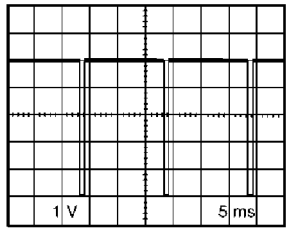
WF16 CRT SCHEMATIC DIAGRAM
Q503 COLLECTOR

WF16
80V p-p
20usec



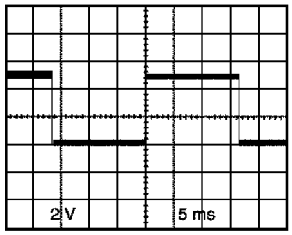
WF17 MAIN 1/4 SCHEMATIC DIAGRAM
IC201 PIN 58

WF17
5V p-p
20usec



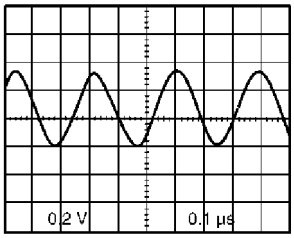
WF18 MAIN 1/4 SCHEMATIC DIAGRAM
IC101 PIN 2

WF18
5V p-p
5msec



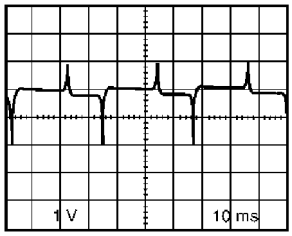
WF1 MAIN 2/4 SCHEMATIC DIAGRAM
J225 RF SW

WF 1
5V p-p
5msec



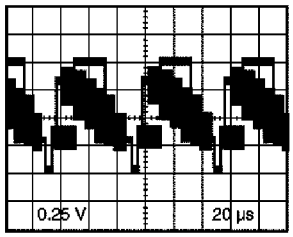
WF2 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 61

WF 2
0.5V p-p
0.1usec



WF3 MAIN 1/4 SCHEMATIC DIAGRAM
J115 CTL

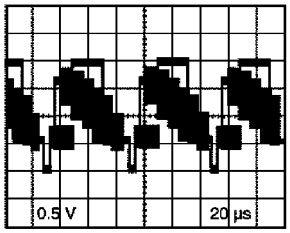
WF 3
3V p-p
10msec



WF4 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 38

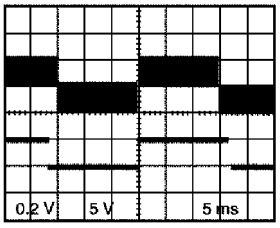
WF 4
1V p-p
20usec

(5866)



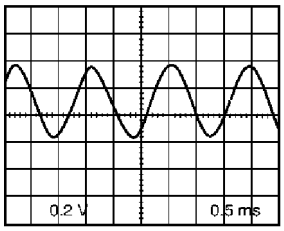
WF5 MAIN 2/4 SCHEMATIC DIAGRAM
J224 V-OUT

WF 5
2Vp-p
20usec



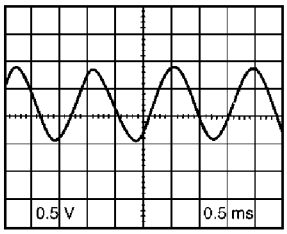
Upper: WF6 Lower: WF1
MAIN 2/4 SCHEMATIC DIAGRAM J148 V-ENV

WF 6
0.4V p-p
5msec



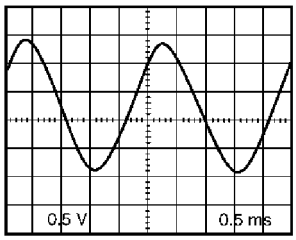
WF7 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 47

WF 7
0.5V p-p
0.5msec



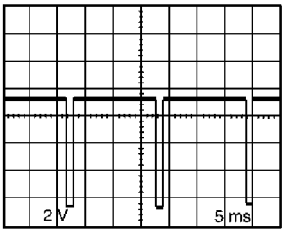
WF8 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 96

WF 8
1.5V p-p
0.5msec



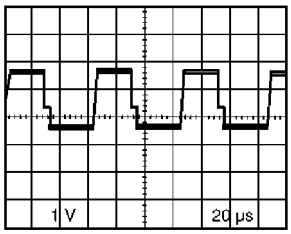
WF9 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 7

WF 9
2.2V p-p
0.5msec



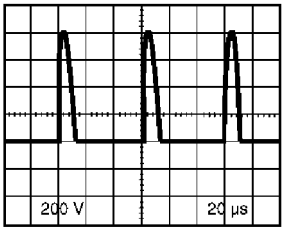
WF10 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 29

WF10
8V p-p
5msec



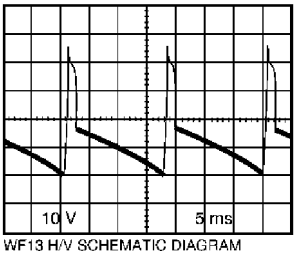
WF11 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 29

WF11
2V p-p
20usec



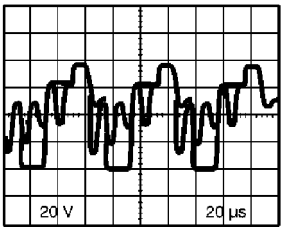
WF12 H/V SCHEMATIC DIAGRAM
Q571 COLLECTOR

WF12
800V p-p
20usec



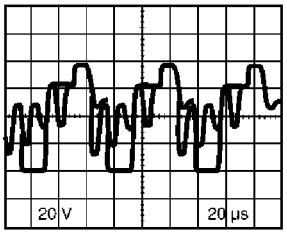
WF13 H/V SCHEMATIC DIAGRAM
CN571 PIN 5

WF13
45V p-p
5msec



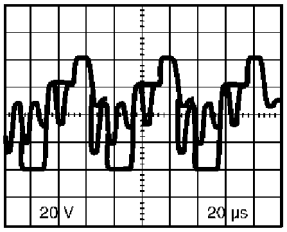
WF14 CRT SCHEMATIC DIAGRAM
Q501 COLLECTOR

WF14
80V p-p
20usec



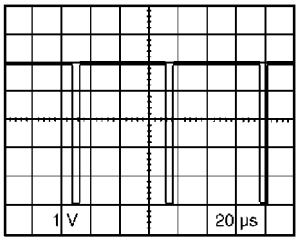
WF15 CRT SCHEMATIC DIAGRAM
Q502 COLLECTOR

WF15
80V p-p
20usec



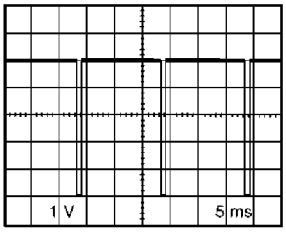
WF16 CRT SCHEMATIC DIAGRAM
Q503 COLLECTOR

WF16
80V p-p
20usec



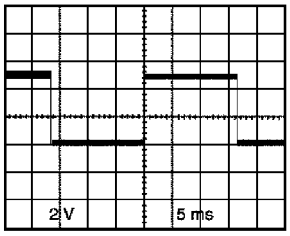
WF17 MAIN 1/4 SCHEMATIC DIAGRAM
IC201 PIN 58

WF17
5V p-p
20usec



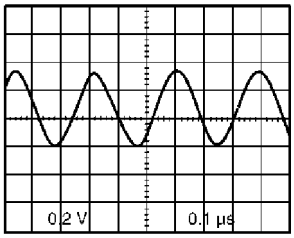
WF18 MAIN 1/4 SCHEMATIC DIAGRAM
IC101 PIN 2

WF18
5V p-p
5msec



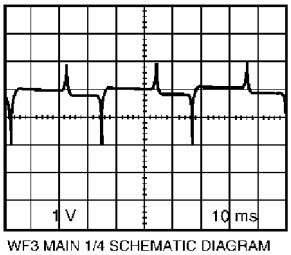
WF1 MAIN 2/4 SCHEMATIC DIAGRAM
J225 RF SW

WF 1
5V p-p
5msec



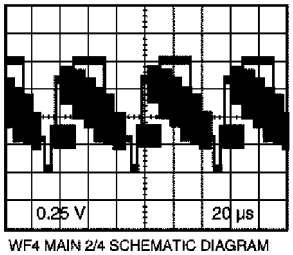
WF2 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 61

WF 2
0.5V p-p
0.1usec



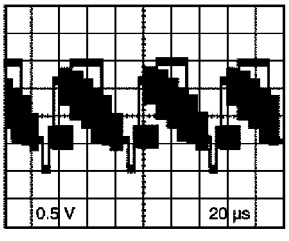
WF3 MAIN 1/4 SCHEMATIC DIAGRAM
J115 CTL

WF 3
3V p-p
10msec



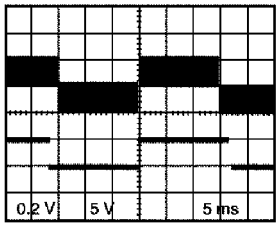
WF4 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 38

WF 4
1V p-p
20usec



WF5 MAIN 2/4 SCHEMATIC DIAGRAM
J224 V-OUT

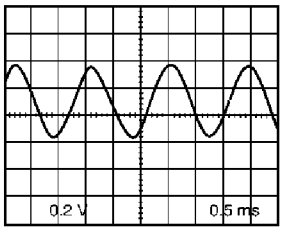
WF 5
2Vp-p
20usec



Upper: WF6 Lower: WF1
MAIN 2/4 SCHEMATIC DIAGRAM J148 V-ENV

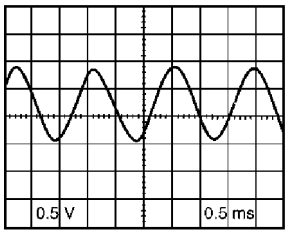
WF 6
0.4V p-p
5msec

(5866)



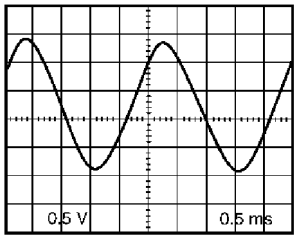
WF7 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 47

WF 7
0.5V p-p
0.5msec



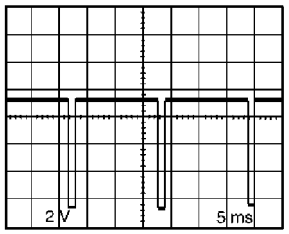
WF8 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 96

WF 8
1.5V p-p
0.5msec



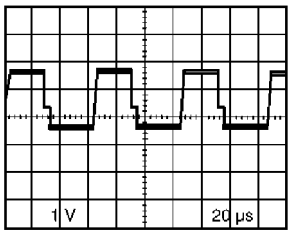
WF9 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 7

WF 9
2.2V p-p
0.5msec



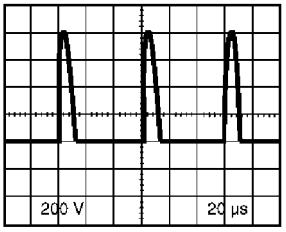
WF10 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 29

WF10
8V p-p
5msec



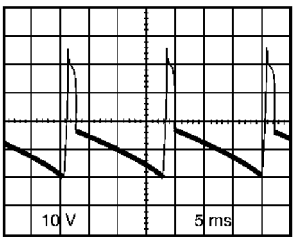
WF11 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 29

WF11
2V p-p
20usec



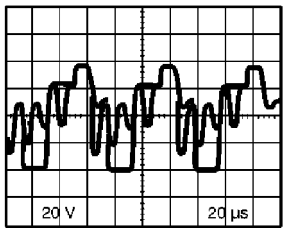
WF12 H/V SCHEMATIC DIAGRAM
Q571 COLLECTOR

WF12
800V p-p
20usec



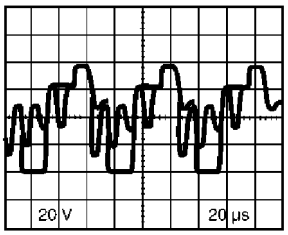
WF13 H/V SCHEMATIC DIAGRAM
CN571 PIN 5

WF13
45V p-p
5msec



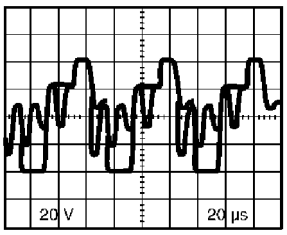
WF14 CRT SCHEMATIC DIAGRAM
Q501 COLLECTOR

WF14
80V p-p
20usec



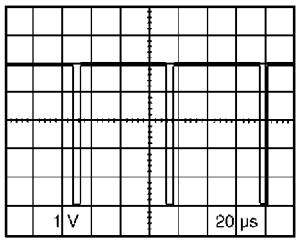
WF15 CRT SCHEMATIC DIAGRAM
Q502 COLLECTOR

WF15
80V p-p
20usec



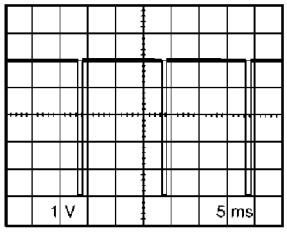
WF16 CRT SCHEMATIC DIAGRAM
Q503 COLLECTOR

WF16
80V p-p
20usec



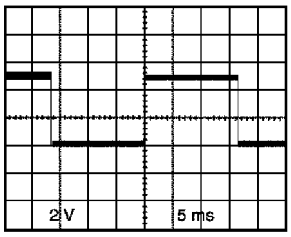
WF17 MAIN 1/4 SCHEMATIC DIAGRAM
IC201 PIN 58

WF17
5V p-p
20usec



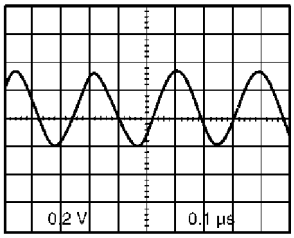
WF18 MAIN 1/4 SCHEMATIC DIAGRAM
IC101 PIN 2

WF18
5V p-p
5msec



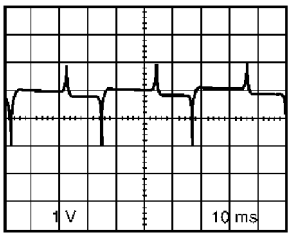
WF1 MAIN 2/4 SCHEMATIC DIAGRAM
J225 RF SW

WF 1
5V p-p
5msec



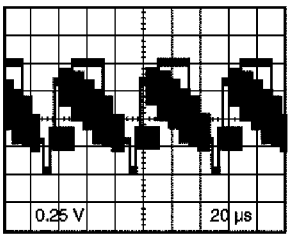
WF2 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 61

WF 2
0.5V p-p
0.1usec



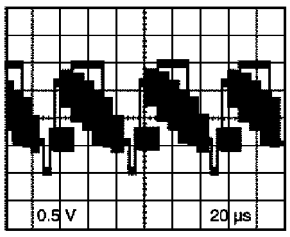
WF3 MAIN 1/4 SCHEMATIC DIAGRAM
J115 CTL

WF 3
3V p-p
10msec



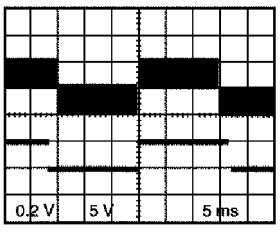
WF4 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 38

WF 4
1V p-p
20usec



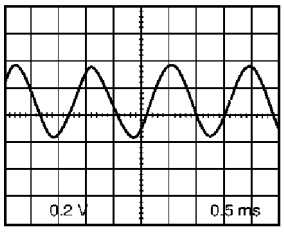
WF5 MAIN 2/4 SCHEMATIC DIAGRAM
J224 V-OUT

WF 5
2Vp-p
20usec



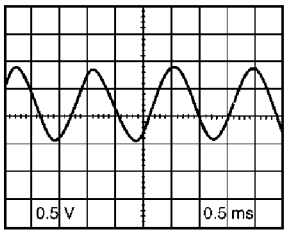
Upper: WF6 Lower: WF1
MAIN 2/4 SCHEMATIC DIAGRAM J148 V-ENV

WF 6
0.4V p-p
5msec



WF7 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 47

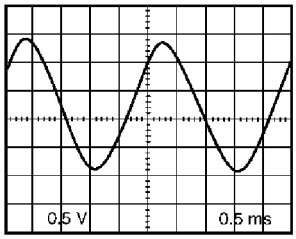
WF 7
0.5V p-p
0.5msec



WF8 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 96

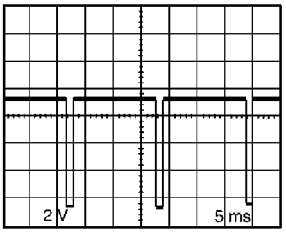
WF 8
1.5V p-p
0.5msec

(5866)



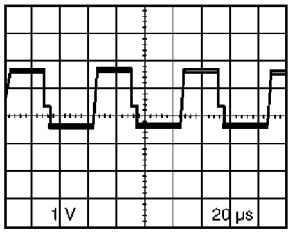
WF9 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 7

WF 9
2.2V p-p
0.5msec



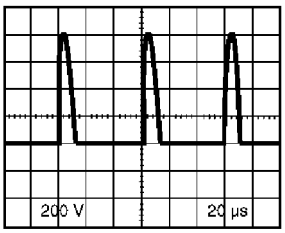
WF10 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 29

WF10
8V p-p
5msec



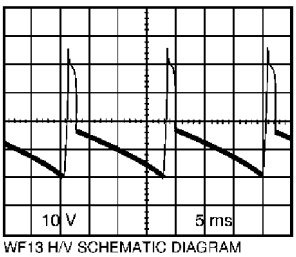
WF11 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 29

WF11
2V p-p
20usec



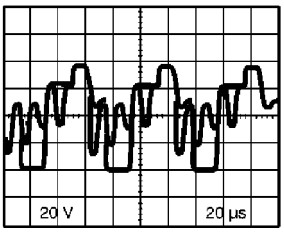
WF12 H/V SCHEMATIC DIAGRAM
Q571 COLLECTOR

WF12
800V p-p
20usec



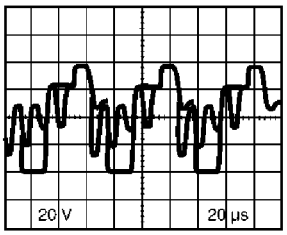
WF13 H/V SCHEMATIC DIAGRAM
CN571 PIN 5

WF13
45V p-p
5msec



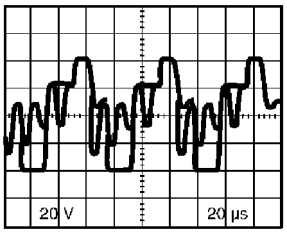
WF14 CRT SCHEMATIC DIAGRAM
Q501 COLLECTOR

WF14
80V p-p
20usec



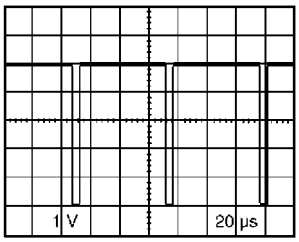
WF15 CRT SCHEMATIC DIAGRAM
Q502 COLLECTOR

WF15
80V p-p
20usec



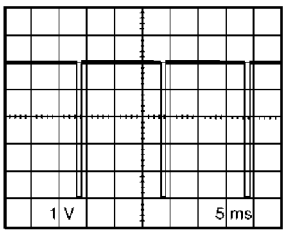
WF16 CRT SCHEMATIC DIAGRAM
Q503 COLLECTOR

WF16
80V p-p
20usec



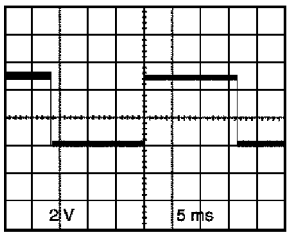
WF17 MAIN 1/4 SCHEMATIC DIAGRAM
IC201 PIN 58

WF17
5V p-p
20usec



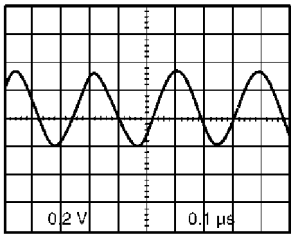
WF18 MAIN 1/4 SCHEMATIC DIAGRAM
IC101 PIN 2

WF18
5V p-p
5msec



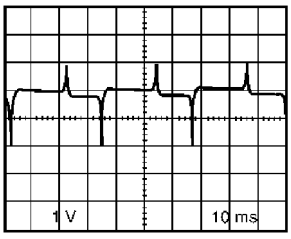
WF1 MAIN 2/4 SCHEMATIC DIAGRAM
J225 RF SW

WF 1
5V p-p
5msec



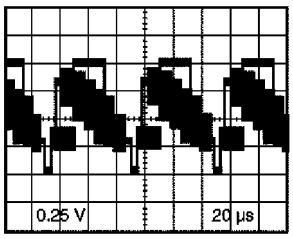
WF2 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 61

WF 2
0.5V p-p
0.1usec



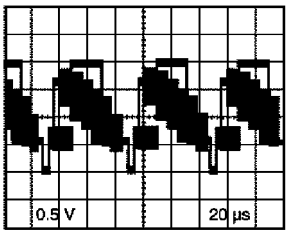
WF3 MAIN 1/4 SCHEMATIC DIAGRAM
J115 CTL

WF 3
3V p-p
10msec



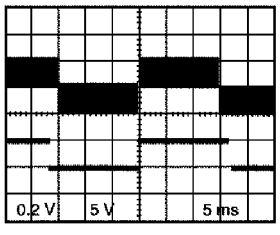
WF4 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 38

WF 4
1V p-p
20usec



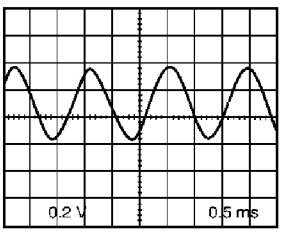
WF5 MAIN 2/4 SCHEMATIC DIAGRAM
J224 V-OUT

WF 5
2Vp-p
20usec



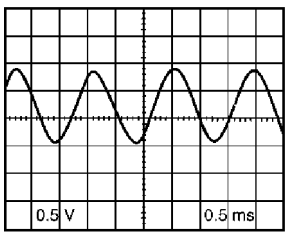
Upper: WF6 Lower: WF1
MAIN 2/4 SCHEMATIC DIAGRAM J148 V-ENV

WF 6
0.4V p-p
5msec



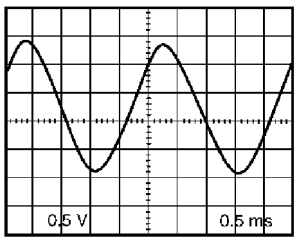
WF7 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 47

WF 7
0.5V p-p
0.5msec



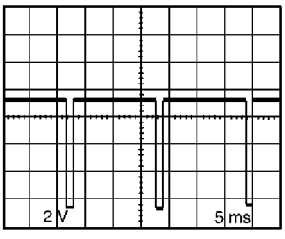
WF8 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 96

WF 8
1.5V p-p
0.5msec



WF9 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 7

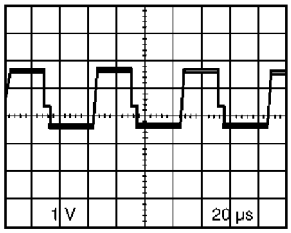
WF 9
2.2V p-p
0.5msec



WF10 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 29

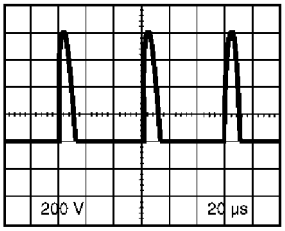
WF10
8V p-p
5msec

(5866)



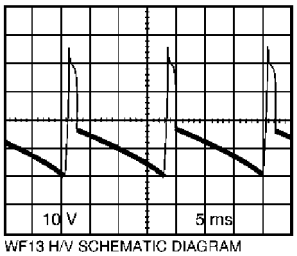
WF11 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 29

WF11
2V p-p
20usec



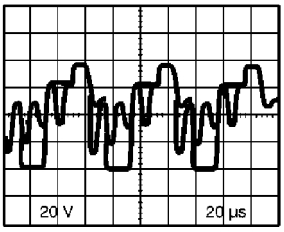
WF12 H/V SCHEMATIC DIAGRAM
Q571 COLLECTOR

WF12
800V p-p
20usec



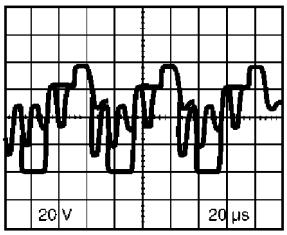
WF13 H/V SCHEMATIC DIAGRAM
CN571 PIN 5

WF13
45V p-p
5msec



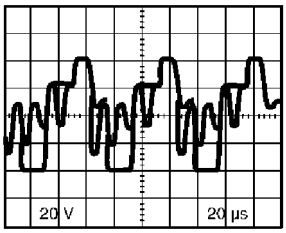
WF14 CRT SCHEMATIC DIAGRAM
Q501 COLLECTOR

WF14
80V p-p
20usec



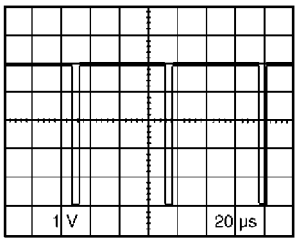
WF15 CRT SCHEMATIC DIAGRAM
Q502 COLLECTOR

WF15
80V p-p
20usec



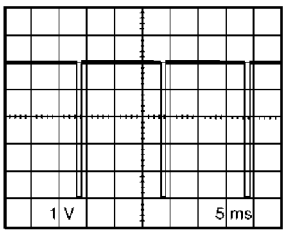
WF16 CRT SCHEMATIC DIAGRAM
Q503 COLLECTOR

WF16
80V p-p
20usec



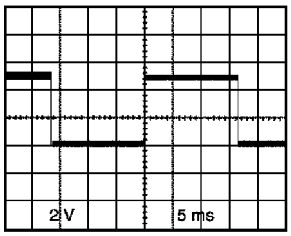
WF17 MAIN 1/4 SCHEMATIC DIAGRAM
IC201 PIN 58

WF17
5V p-p
20usec



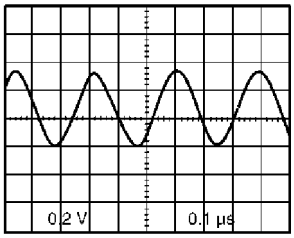
WF18 MAIN 1/4 SCHEMATIC DIAGRAM
IC101 PIN 2

WF18
5V p-p
5msec



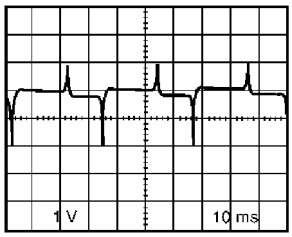
WF1 MAIN 2/4 SCHEMATIC DIAGRAM
J225 RF SW

WF 1
5V p-p
5msec



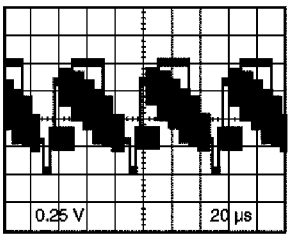
WF2 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 61

WF 2
0.5V p-p
0.1usec



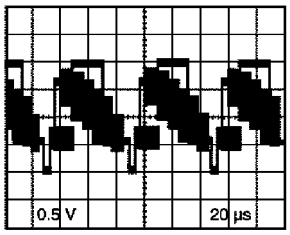
WF3 MAIN 1/4 SCHEMATIC DIAGRAM
J115 CTL

WF 3
3V p-p
10msec



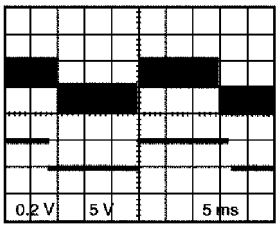
WF4 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 38

WF 4
1V p-p
20usec



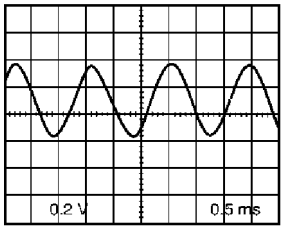
WF5 MAIN 2/4 SCHEMATIC DIAGRAM
J224 V-OUT

WF 5
2Vp-p
20usec



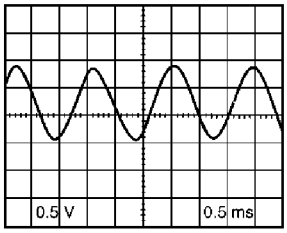
Upper: WF6 Lower: WF1
MAIN 2/4 SCHEMATIC DIAGRAM J148 V-ENV

WF 6
0.4V p-p
5msec



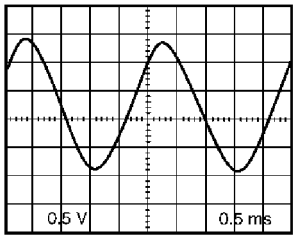
WF7 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 47

WF 7
0.5V p-p
0.5msec



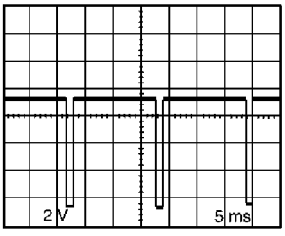
WF8 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 96

WF 8
1.5V p-p
0.5msec



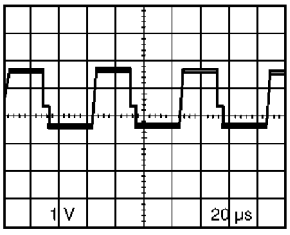
WF9 MAIN 2/4 SCHEMATIC DIAGRAM
IC401 PIN 7

WF 9
2.2V p-p
0.5msec



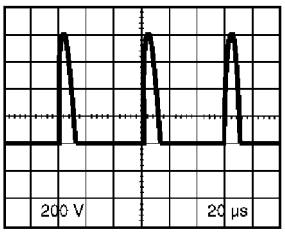
WF10 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 29

WF10
8V p-p
5msec



WF11 MAIN 3/4 SCHEMATIC DIAGRAM
IC301 PIN 29

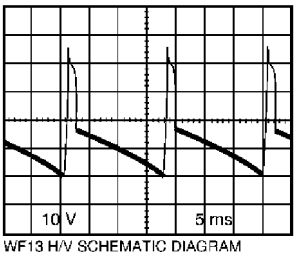
WF11
2V p-p
20usec



WF12 H/V SCHEMATIC DIAGRAM
Q571 COLLECTOR

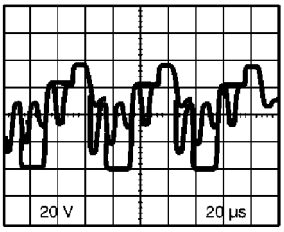
WF12
800V p-p
20usec

(5866)



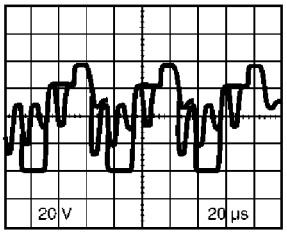
WF13 H/V SCHEMATIC DIAGRAM
CN571 PIN 5

WF13
45V p-p
5msec



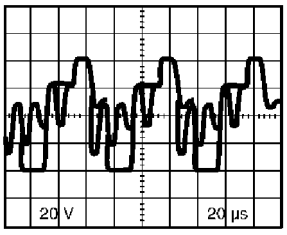
WF14 CRT SCHEMATIC DIAGRAM
Q501 COLLECTOR

WF14
80V p-p
20usec



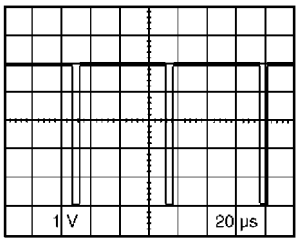
WF15 CRT SCHEMATIC DIAGRAM
Q502 COLLECTOR

WF15
80V p-p
20usec



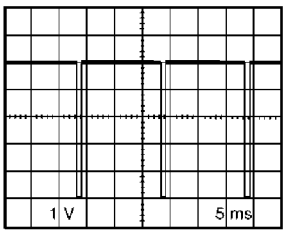
WF16 CRT SCHEMATIC DIAGRAM
Q503 COLLECTOR

WF16
80V p-p
20usec



WF17 MAIN 1/4 SCHEMATIC DIAGRAM
IC201 PIN 58

WF17
5V p-p
20usec



WF18 MAIN 1/4 SCHEMATIC DIAGRAM
IC101 PIN 2

WF18
5V p-p
5msec

WIRING DIAGRAM

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

ANODE
CRT
GND
CN501
FOCUS
CRT CBA BT5000F01021-B
SCREEN
CL504B: GND 1, +9V 2, RED 3, GREEN 4, BLUE 5
CL501B: 1 HEATER, 2 GND, 3 P-ON+180V

SP801 SPEAKER — CL802 — CN801: 1 SP, 2 SP-GND

JUNCTION A CBA BT5000F01021-D
CL504A — CN504 — CN304: 1 GND, 2 +9V, 3 RED, 4 GREEN, 5 BLUE

JUNCTION B CBA BT5000F01021-C
CL503B — CN503 — CN303: 1 AFC, 2 H-DRIVE, 3 ACL, 4 GND, 5 P-SAFETY 1, 6 V-DRIVE, 7 V-RAMP-NF
CL503A: AFC 1, H-DRIVE 2, ACL 3, GND 4, P-SAFETY 1 5, V-DRIVE 6, V-RAMP-NF 7

CL501A: 1 HEATER, 2 GND, 3 P-ON+180V
T571 FBT
D.Y.
HD
VD
CN571: 1, 2, 3, 4, 5
H.V. CBA BT5000F01021-A

CL502A — CL502B — CN502 — CN602: 1 GND, 2 GND, 3 DEF+B, 4 GND, 5 +B, 6 +B

MAIN CBA BT5000F01012

CN301: 1 INT.MONITOR, 2 BUS-OPEN, 3 GND, 4 SDA, 5 SCL, 6 NU, 7 NU
(NO CONNECTION)
CN301 IS USED FOR ADJUSTMENT AT FACTORY

CN601: 1, 2
W601

CN202: C-F/R 1, AL+5V(3) 2, AL+12V(2) 3, C-FG 4, LD-SW 5, C-CONT 6, FG GND 7, CM GMD 8

CN851: AL+5V(3) 1, S-GND 2, D-PG 3, AL+12V(2) 4, D-FG 5, M-GND 6, D-CONT 7, NU 8, LD-M(+) 9, LD-M(-) 10, NU 11, AE-H 12, AE-H/FE-H 13, A-COM 14, A-PB/REC 15, CTL(+) 16, CTL(-) 17

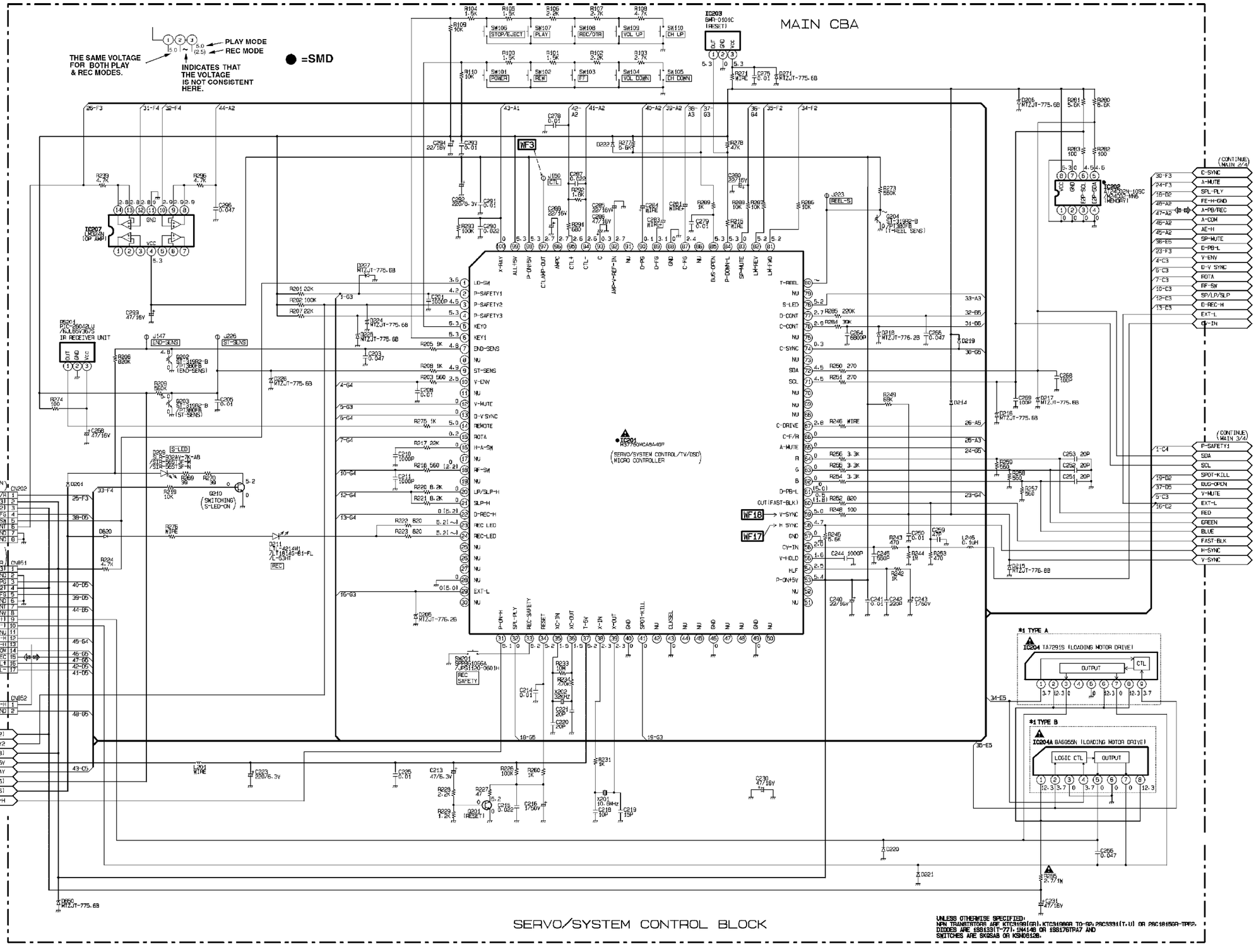
CN471: V(L) 1, V-COM 2, NC 3, V(R) 4

CN852: FE-H 1, FE-H GND 2

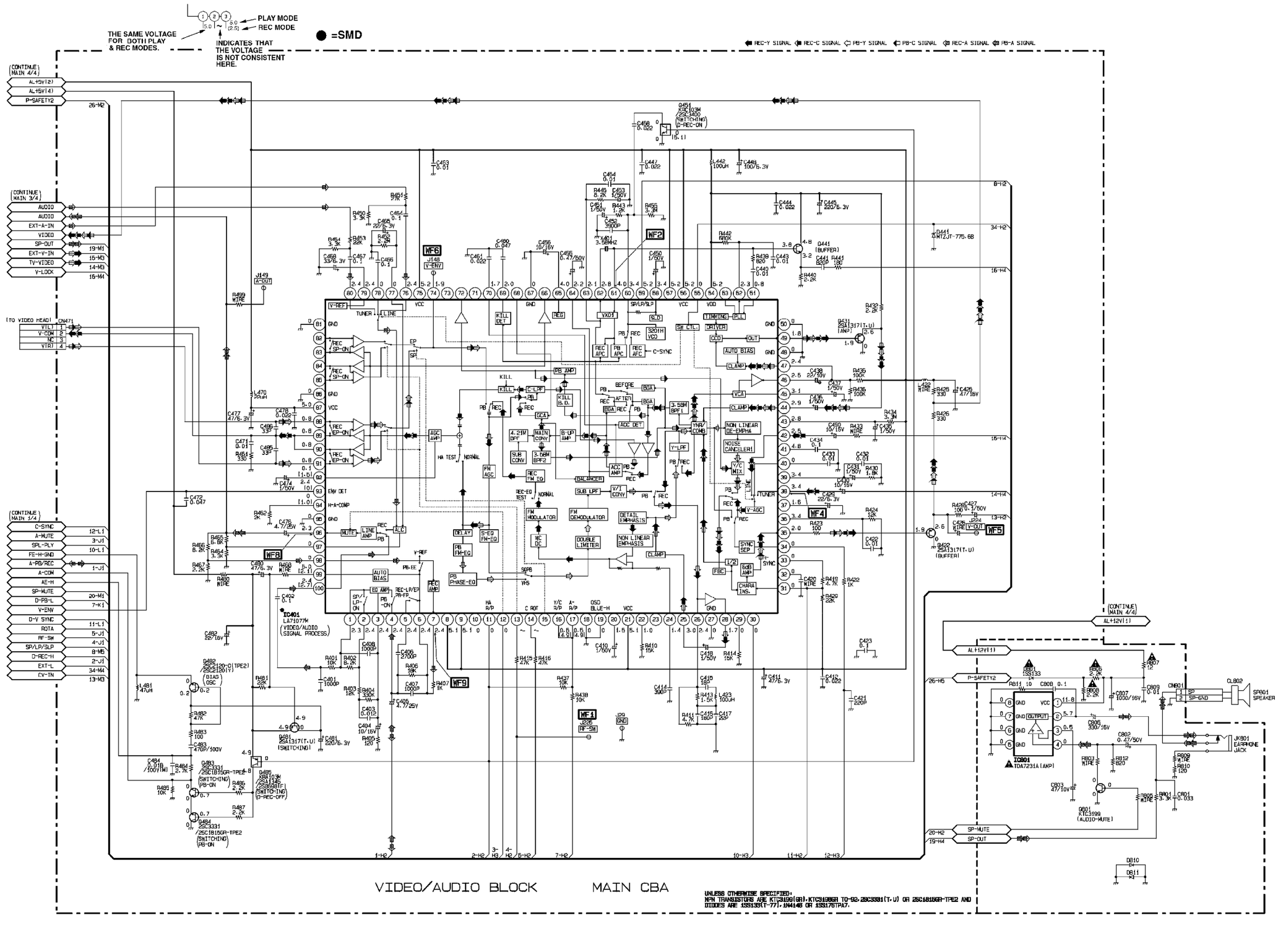
WIRING DIAGRAM FOR SECTION 2 (DECK MECHANISM)

- **CAPSTAN MOTOR UNIT** (1–8)
- **MODE SW CBA BN6002F01011**: SW281 MODE SWITCH
- **DRUM MOTOR UNIT** (1–7)
- **LOADING MOTOR UNIT**: LOADING MOTOR (M)
- **ACE HEAD UNIT** (CN287: 1–6): AUDIO ERASE HEAD, AUDIO HEAD, CONTROL HEAD
- VIDEO L HEAD
- VIDEO R HEAD
- **FE HEAD UNIT**: FULL ERASE HEAD

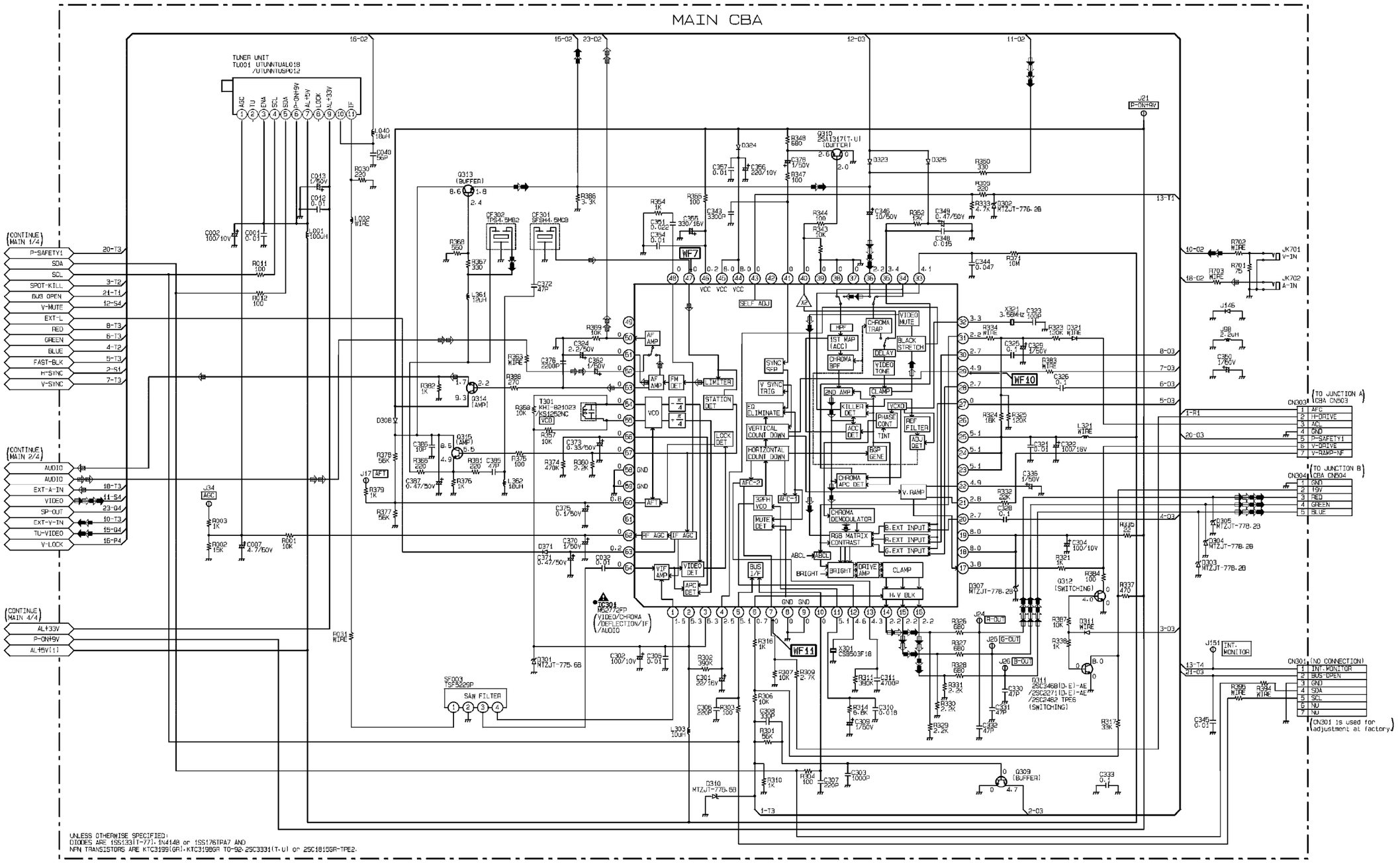
USED ONLY IN MODELS: CCA132AT01 (5866) - MAIN 1/4 SCHEMATIC



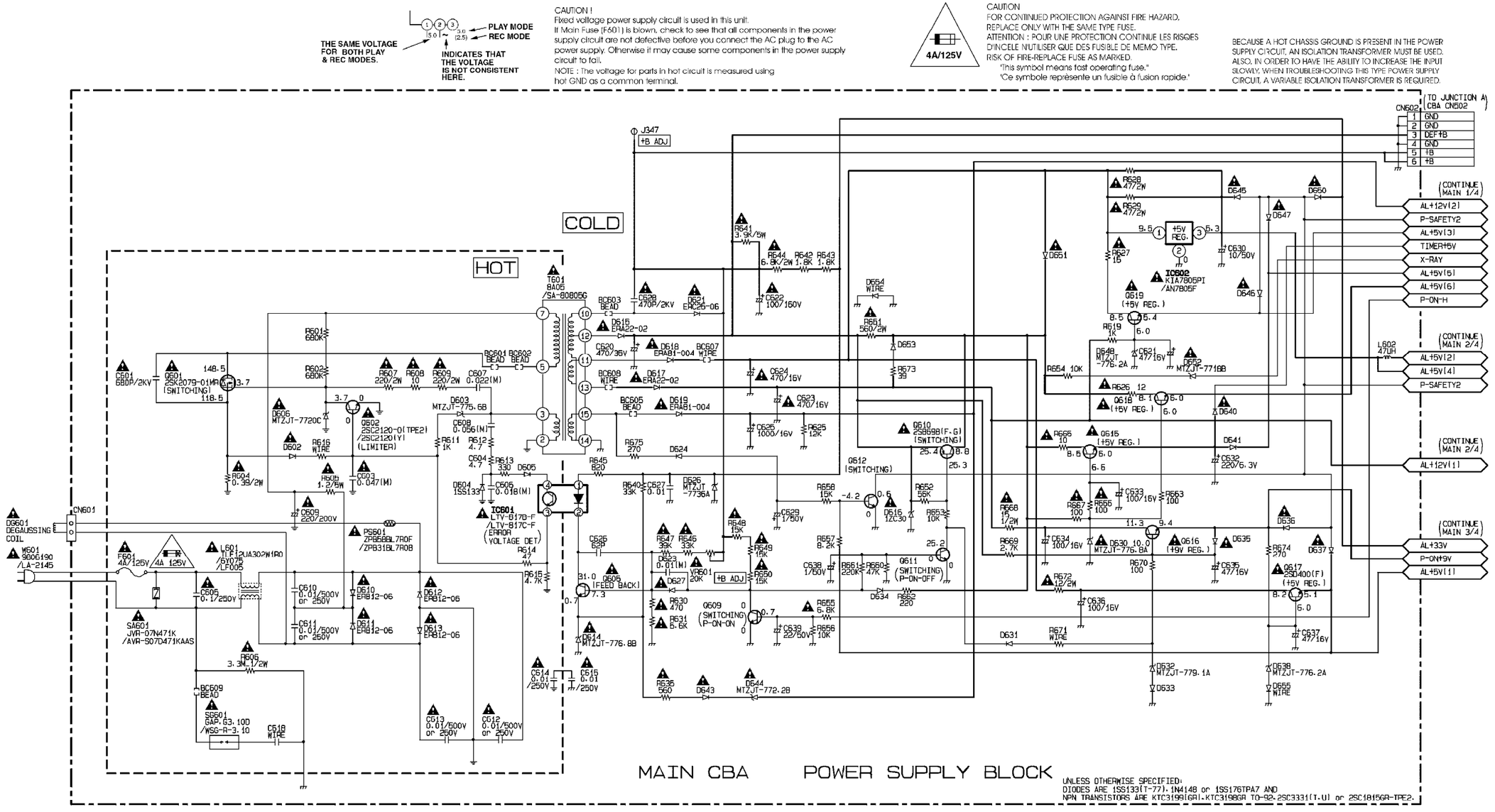
USED ONLY IN MODELS: CCA132AT01 (5866) - MAIN 2/4 SCHEMATIC



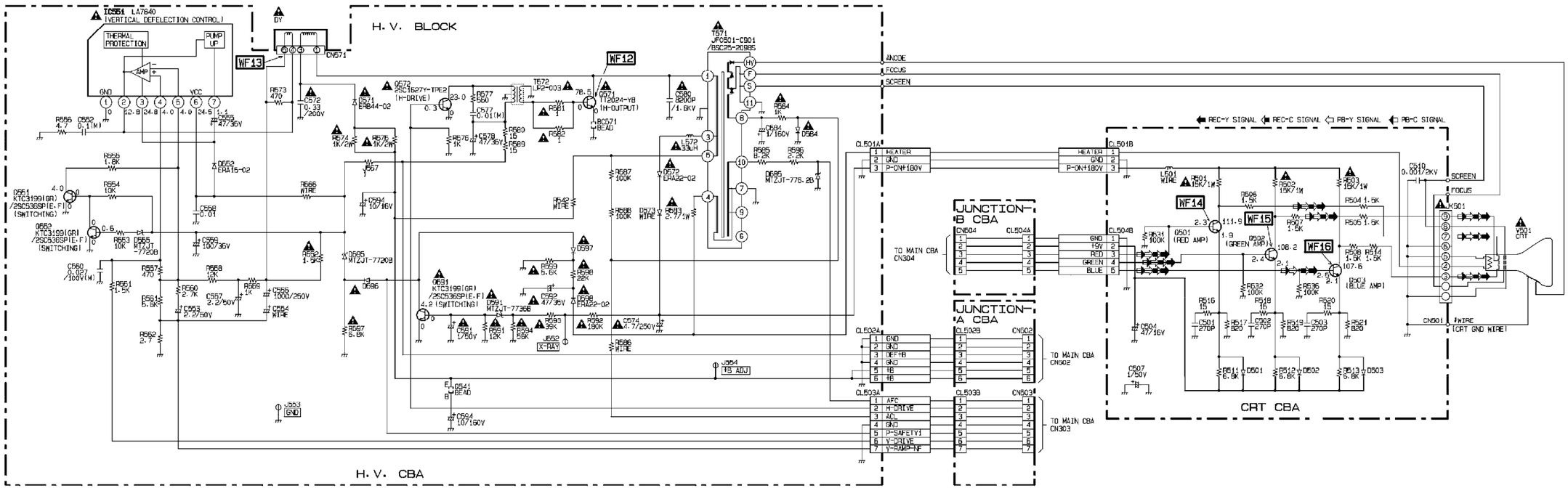
USED ONLY IN MODELS: CCA132AT01 (5866) - MAIN 3/4 SCHEMATIC



USED ONLY IN MODELS: CCA132AT01 (5866) - MAIN 4/4 SCHEMATIC

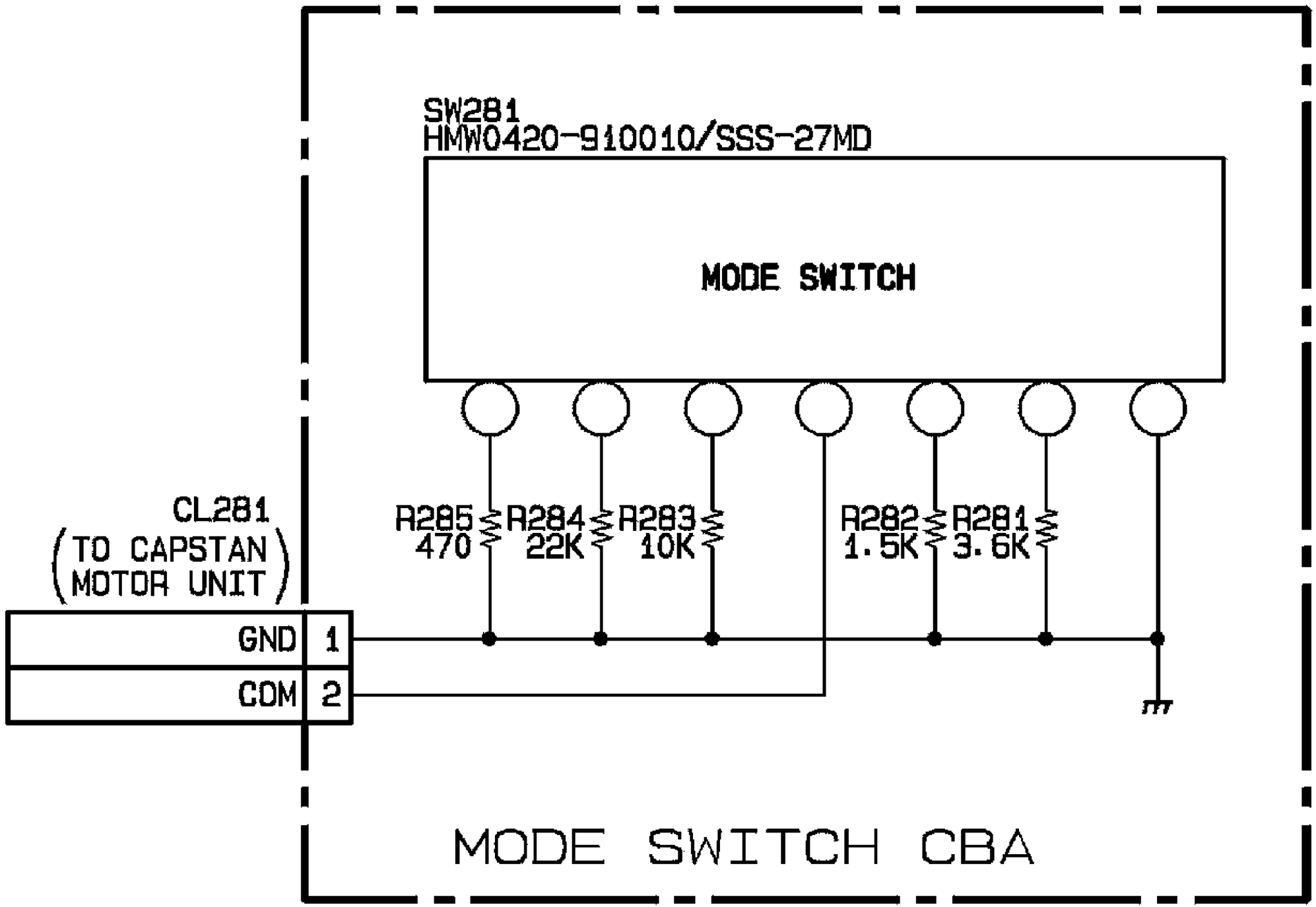

THE SAME VOLTAGE FOR BOTH PLAY & REC MODES.
PLAY MODE
REC MODE
INDICATES THAT THE VOLTAGE IS NOT CONSISTENT HERE.
CAUTION !
Fixed voltage power supply circuit is used in this unit.
If Main Fuse (F601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.
NOTE : The voltage for parts in hot circuit is measured using hot GND as a common terminal.
4A/125V
CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE.
ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQES D'INCELE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE.
RISK OF FIRE-REPLACE FUSE AS MARKED.
'This symbol means fast operating fuse.'
'Ce symbole représente un fusible à fusion rapide.'
BECAUSE A HOT CHASSIS GROUND IS PRESENT IN THE POWER SUPPLY CIRCUIT, AN ISOLATION TRANSFORMER MUST BE USED. ALSO, IN ORDER TO HAVE THE ABILITY TO INCREASE THE INPUT SLOWLY WHEN TROUBLESHOOTING THIS TYPE POWER SUPPLY CIRCUIT, A VARIABLE ISOLATION TRANSFORMER IS REQUIRED.
COLD
HOT
MAIN CBA POWER SUPPLY BLOCK
UNLESS OTHERWISE SPECIFIED:
DIODES ARE 1SS133(T-77), 1N414B or 1SS176TPA7 AND
NPN TRANSISTORS ARE KTC3199(GR), KTC3198GR TO-92, 2SC3331(T,U) or 2SC1815GR-TPE2.

USED ONLY IN MODELS: CCA132AT01 (5866) - HV/CRT SCHEMATIC

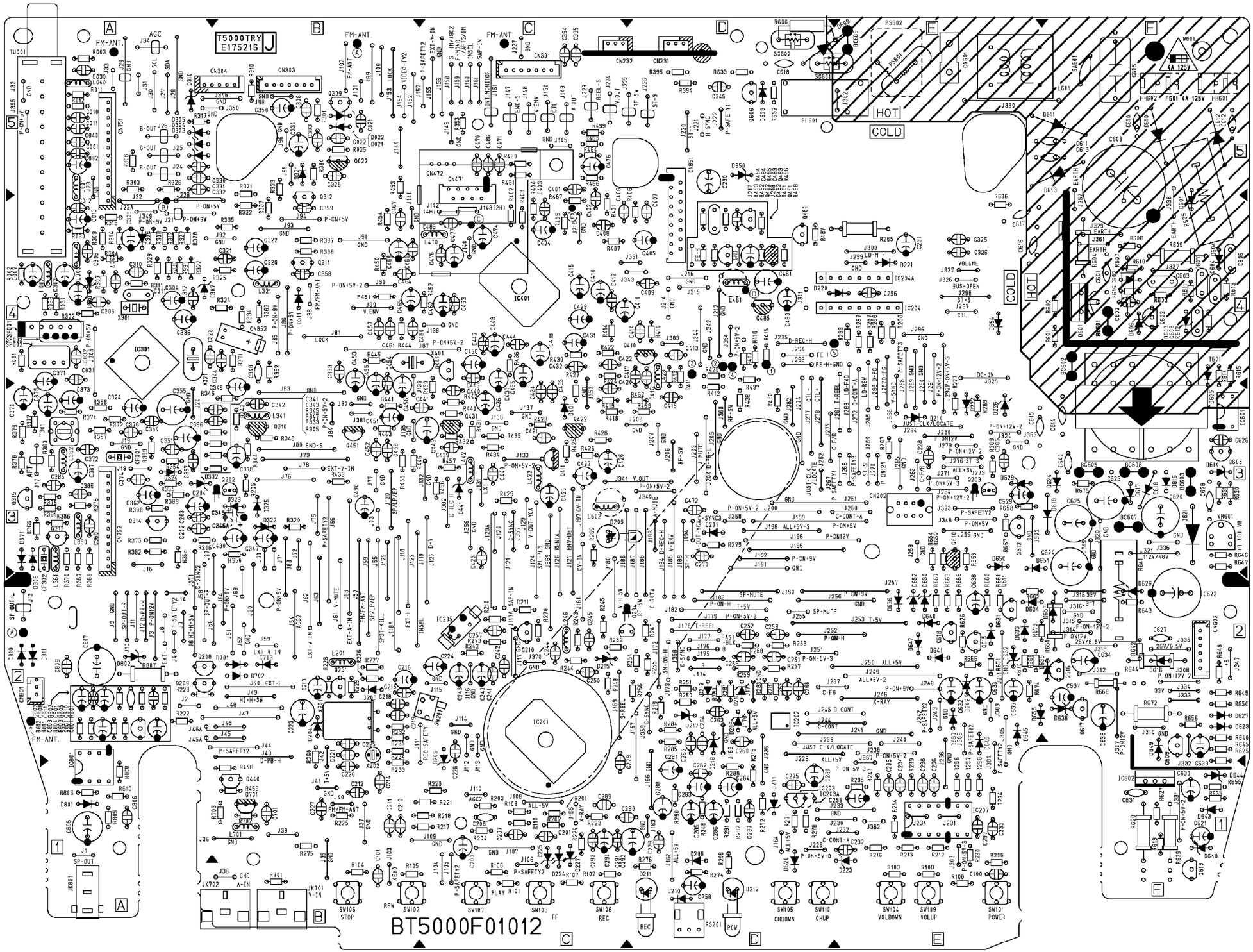


UNLESS OTHERWISE SPECIFIED:
DIODES ARE 1SS133(T-77), 1N4148 or 1SS176TPA7 and
NPN TRANSISTORS ARE 2SC2482 TPE6, 2SC3466(D-E)-AE, 2SC2271(D)-AEMP or2SC2271(E)-AE.

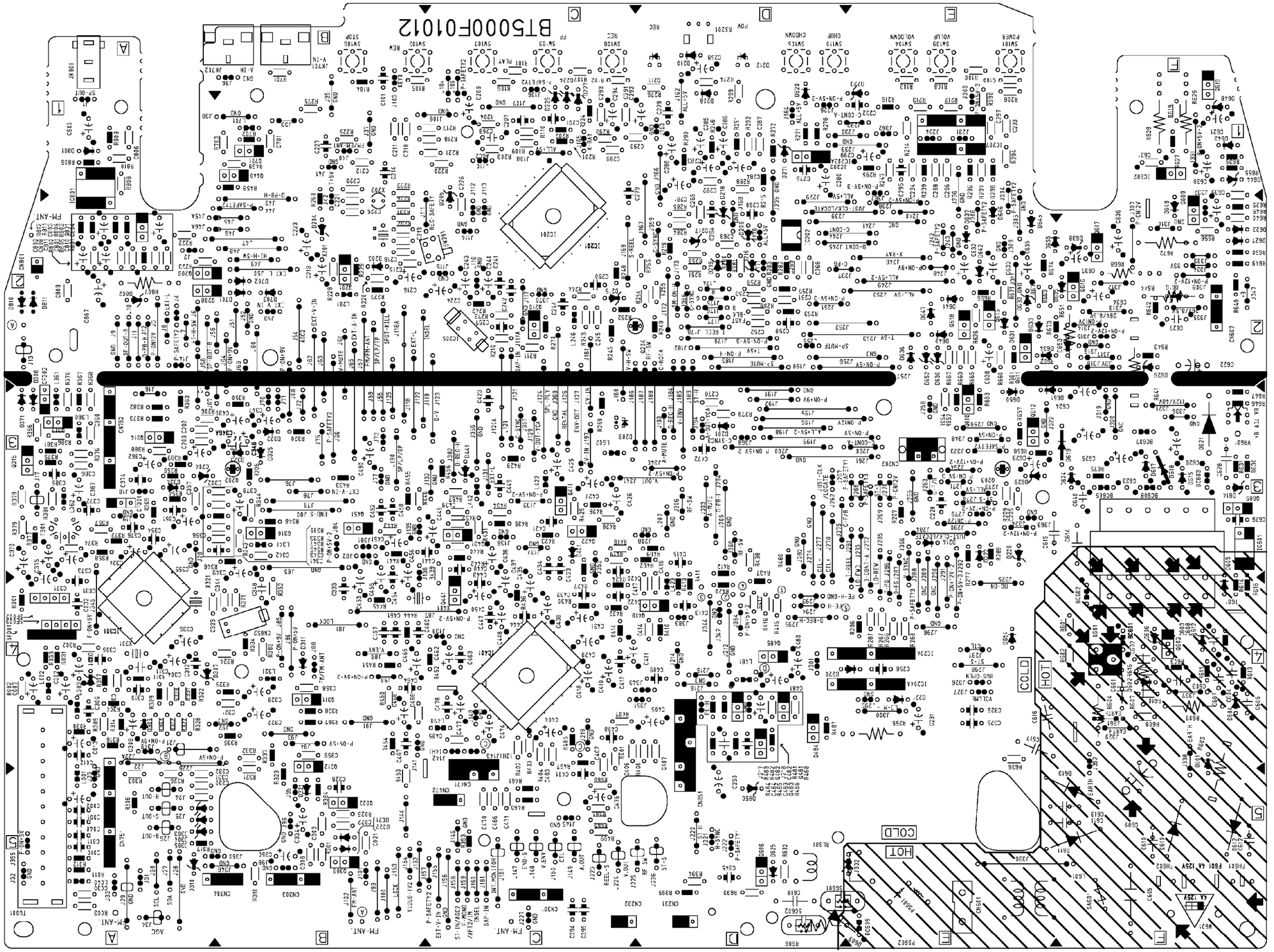
USED ONLY IN MODELS: CCA132AT01 (5866) - MODE SWITCH SCHEMATIC



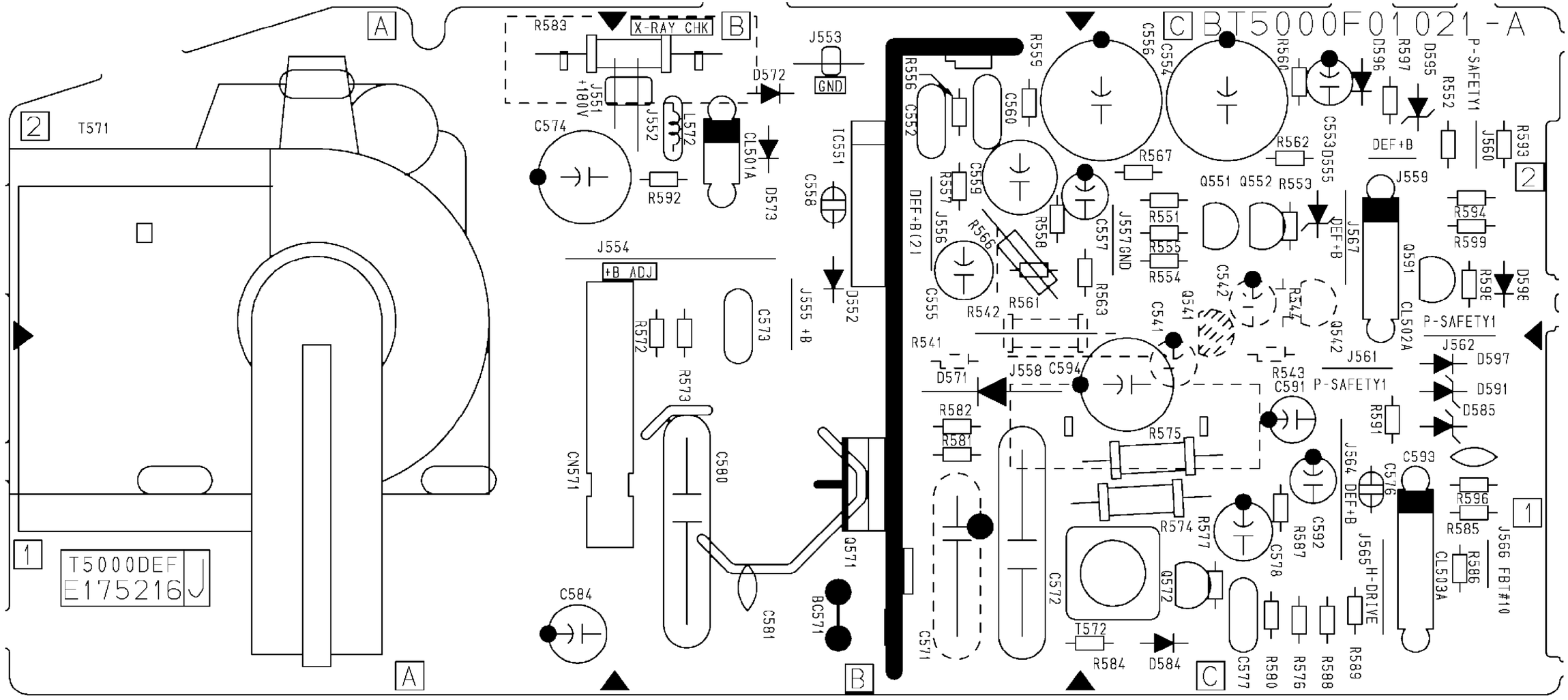
USED ONLY IN MODELS: CCA132AT01 (5866) - MAIN CBA (TOP)



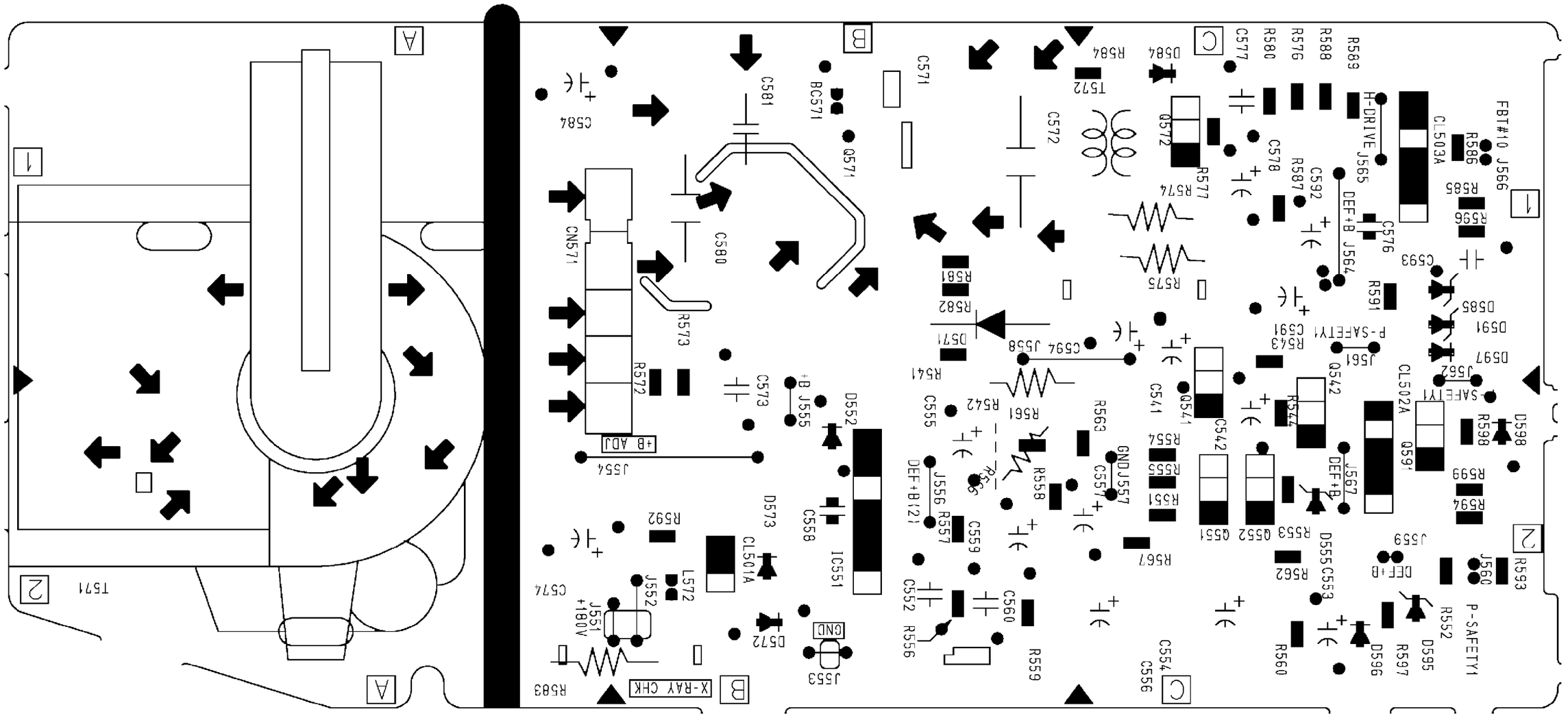
USED ONLY IN MODELS: CCA132AT01 (5866) - MAIN CBA (BOTTOM)



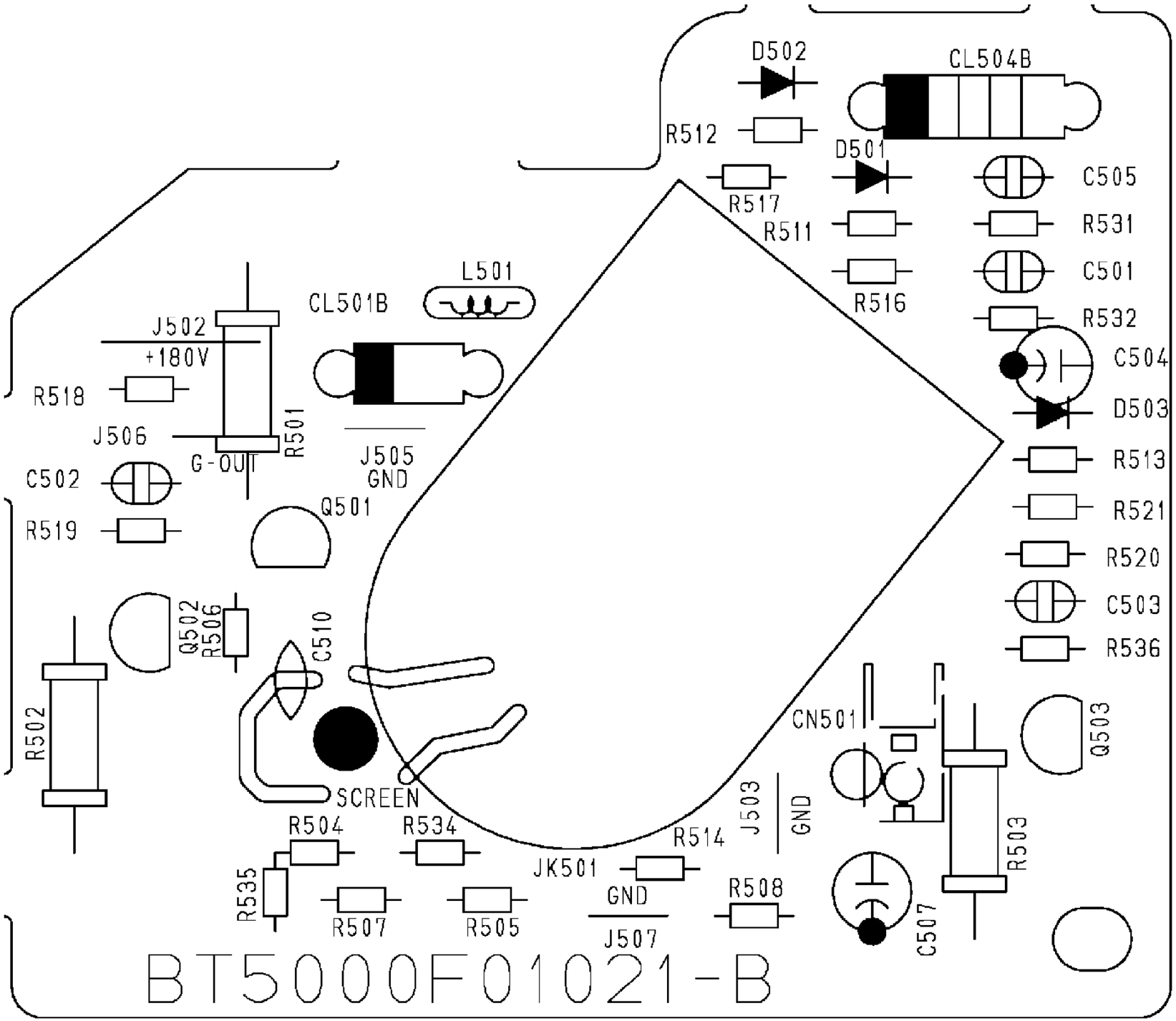
USED ONLY IN MODELS: CCA132AT01 (5866) - HV CBA (TOP)



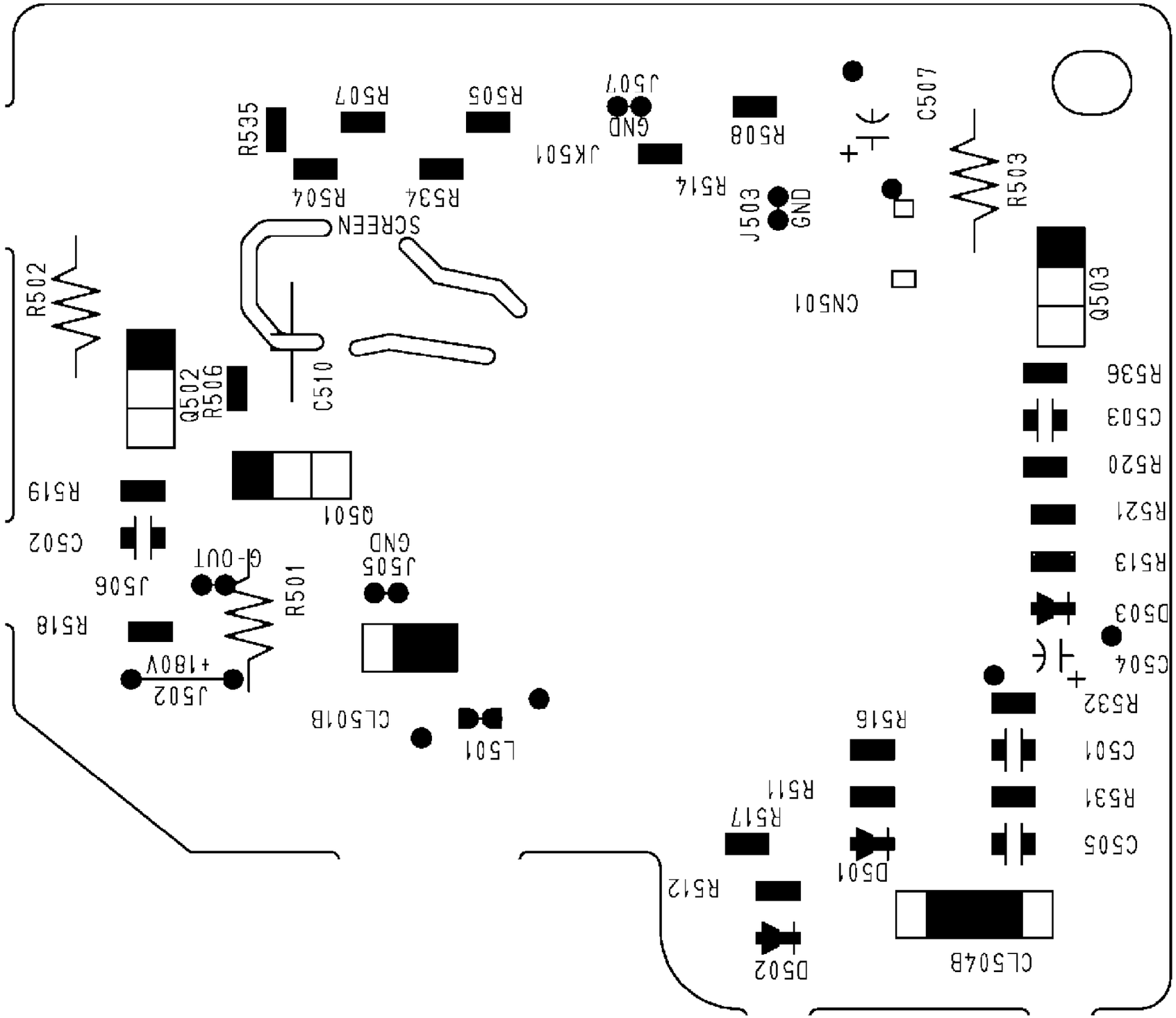
USED ONLY IN MODELS: CCA132AT01 (5866) - HV CBA (BOTTOM)



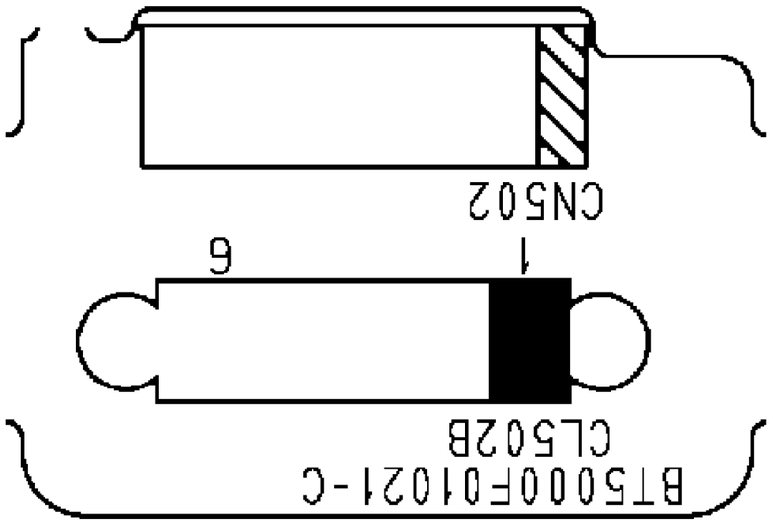
USED ONLY IN MODELS: CCA132AT01 (5866) - CRT CBA (TOP)

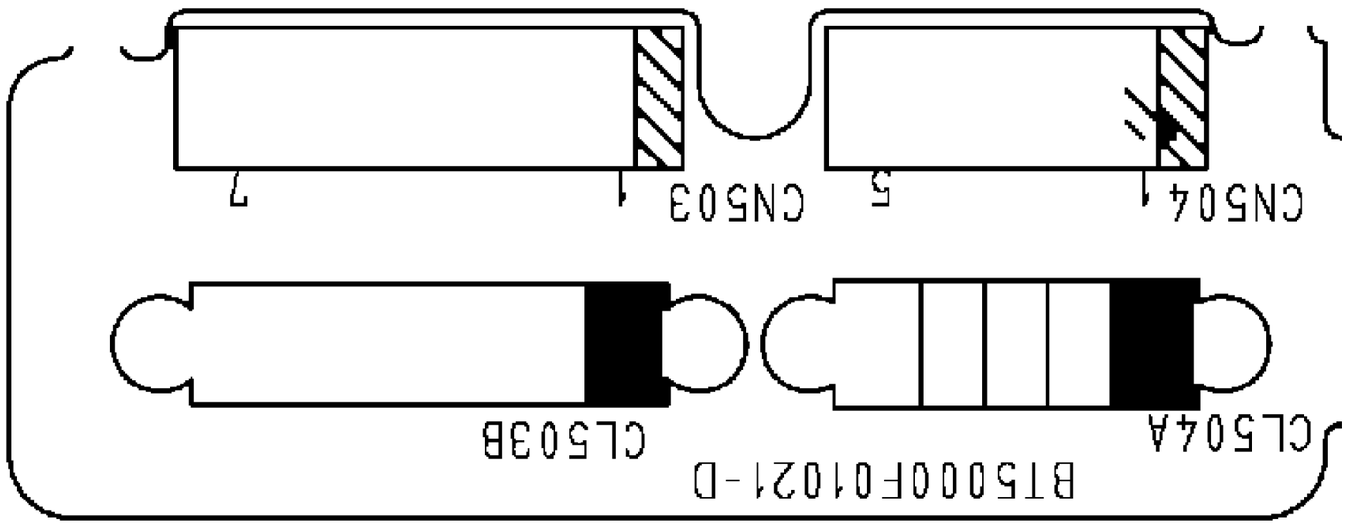


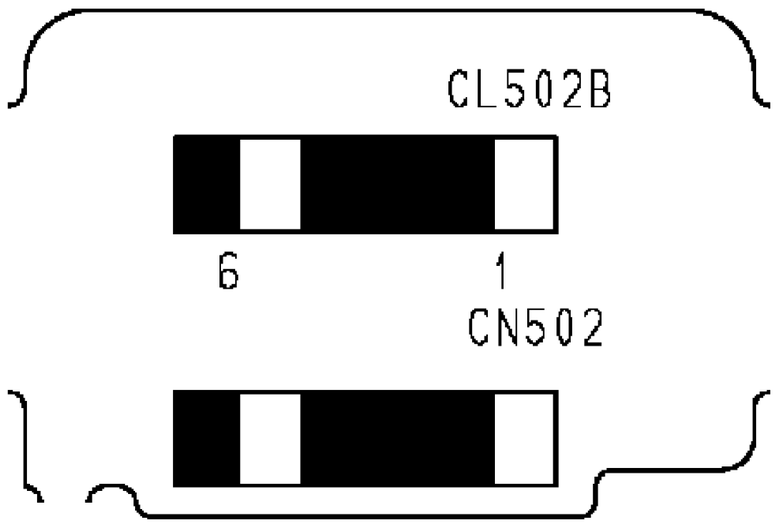
USED ONLY IN MODELS: CCA132AT01 (5866) - CRT CBA (BOTTOM)

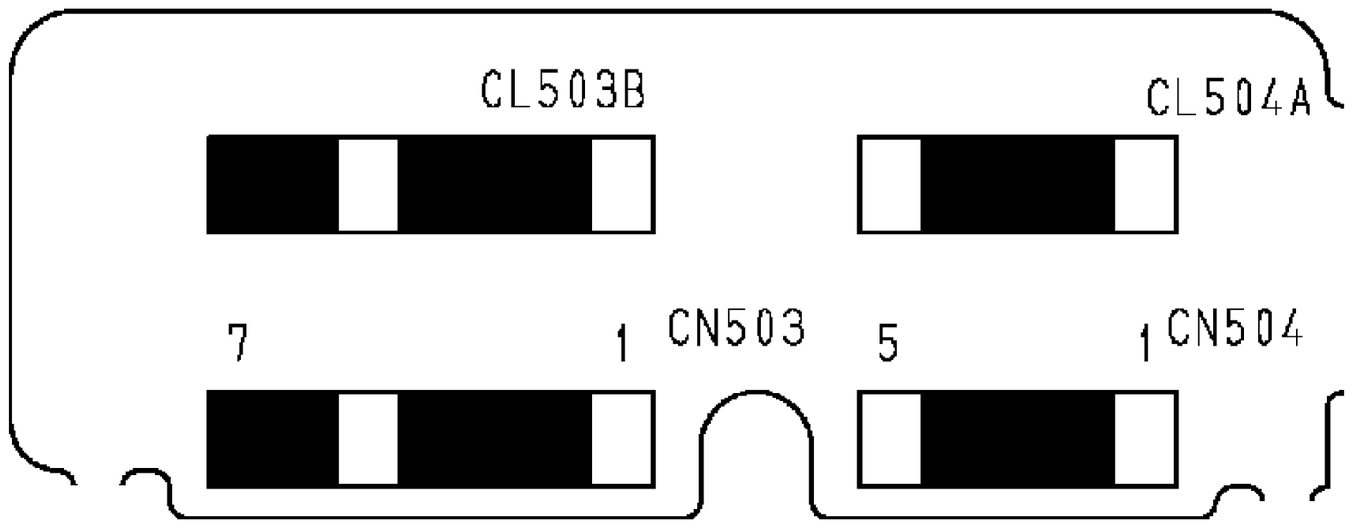


USED ONLY IN MODELS: CCA132AT01 (5866) - JUNCTION CBA (TOP & BOTTOM)

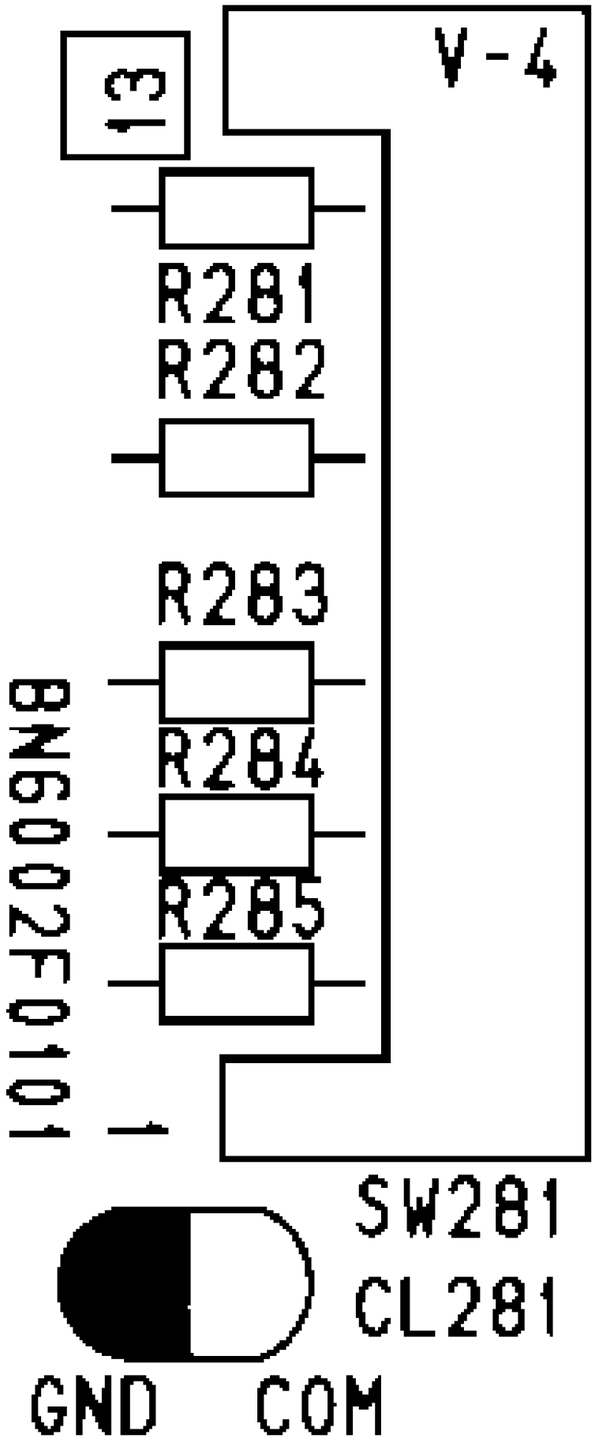


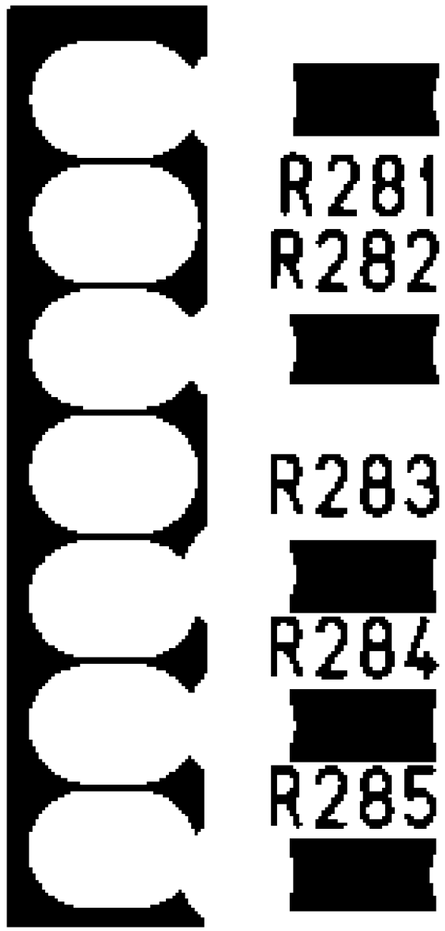






USED ONLY IN MODELS: CCA132AT01 (5866) - MODE SWITCH CBA (TOP/BOTTOM)





WIRING DIAGRAM

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

ANODE
CRT
GND
CN501
FOCUS
CRT CBA BT5000F01021-B
SCREEN
CL504B
GND 1
+9V 2
RED 3
GREEN 4
BLUE 5
CL501B
HEATER 1
GND 2
P-ON+180V 3

SP801 SPEAKER
CL802
CN801
1 SP
2 SP-GND

JUNCTION B CBA BT5000F01021-D
CL504A CN504
1 2 3 4 5
CN304
1 GND
2 +9V
3 RED
4 GREEN
5 BLUE

JUNCTION A CBA BT5000F01021-C
CL503B CN503
1 2 3 4 5 6 7
CN303
1 AFC
2 H-DRIVE
3 ACL
4 GND
5 P-SAFETY 1
6 V-DRIVE
7 V-RAMP-NF

CL503A
AFC 1
H-DRIVE 2
ACL 3
GND 4
P-SAFETY 1 5
V-DRIVE 6
V-RAMP-NF 7

CL501A
1 HEATER
2 GND
3 P-ON+180V

T571
FBT

D.Y
HD
VD
CN571
1 2 3 4 5
H.V. CBA BT5000F01021-A

CL502A
GND 1
GND 2
DEF+B 3
GND 4
+B 5
+B 6

CL502B CN502
1 2 3 4 5 6
CN602
1 GND
2 GND
3 DEF+B
4 GND
5 +B
6 +B

MAIN CBA BT5000F01012

CN301
1 INT.MONITOR
2 BUS-OPEN
3 GND
4 SDA
5 SCL
6 NU
7 NU

(NO CONNECTION)
CN301 IS USED FOR ADJUSTMENT AT FACTORY

CN601
1
2
W601

WIRING DIAGRAM FOR SECTION 2 (DECK MECHANISM)

CN202
C-F/R 1
AL+5V(3) 2
AL+12V(2) 3
C-FG 4
LD-SW 5
C-CONT 6
FG GND 7
CM GMD 8

CAPSTAN MOTOR UNIT
1 2 3 4 5 6 7 8

MODE SW CBA BN6002F01011
SW281
MODE SWITCH

DRUM MOTOR UNIT
1 2 3 4 5 6 7

CN851
AL+5V(3) 1
S-GND 2
D-PG 3
AL+12V(2) 4
D-FG 5
M-GND 6
D-CONT 7
NU 8
LD-M(+) 9
LD-M(-) 10
NU 11
AE-H 12
AE-H/FE-H 13
A-COM 14
A-PB/REC 15
CTL(+) 16
CTL(-) 17

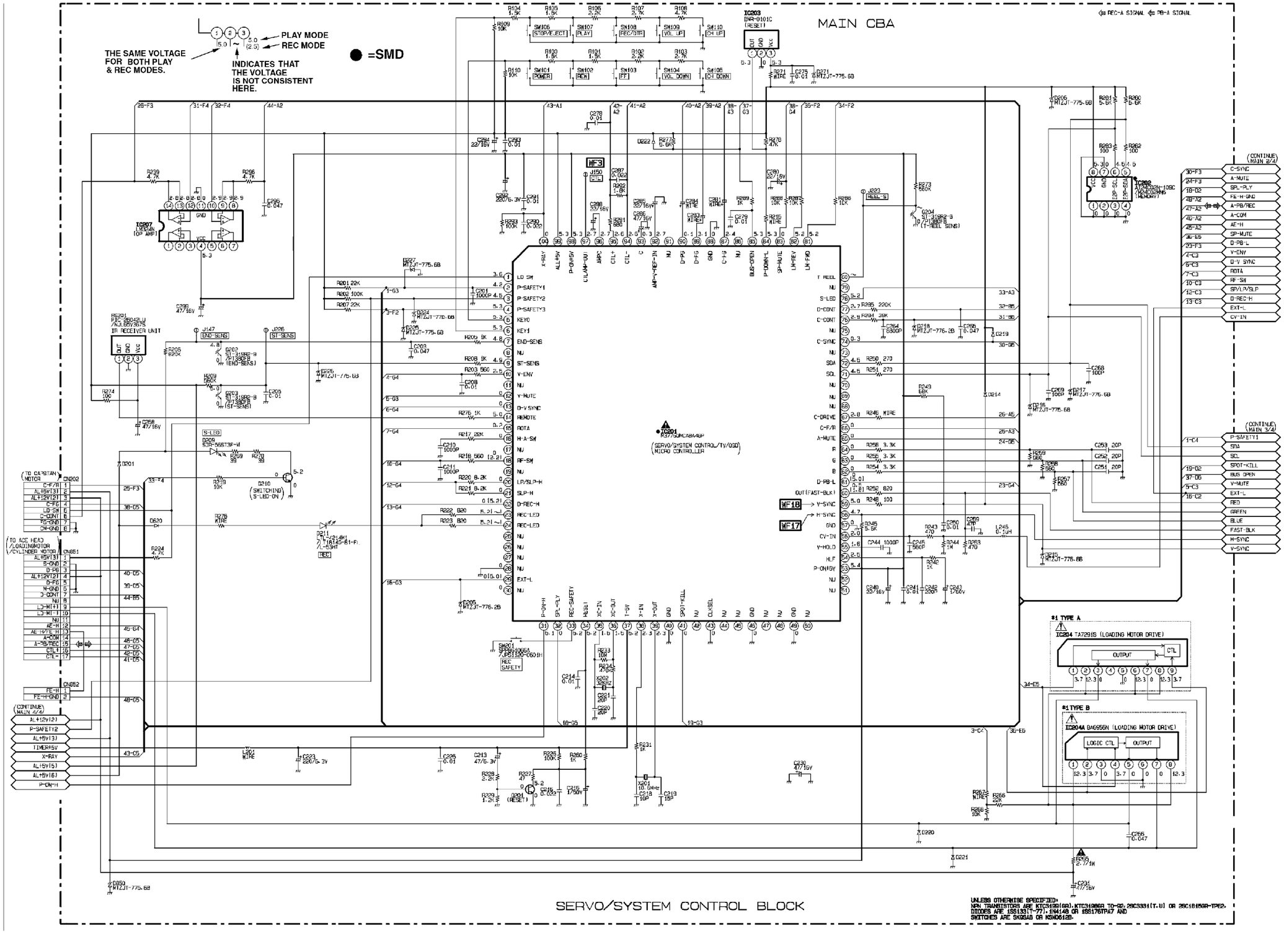
LOADING MOTOR UNIT
LOADING MOTOR
M

CN287
1 2 3 4 5 6
AUDIO ERASE HEAD
AUDIO HEAD
CONTROL HEAD
ACE HEAD UNIT

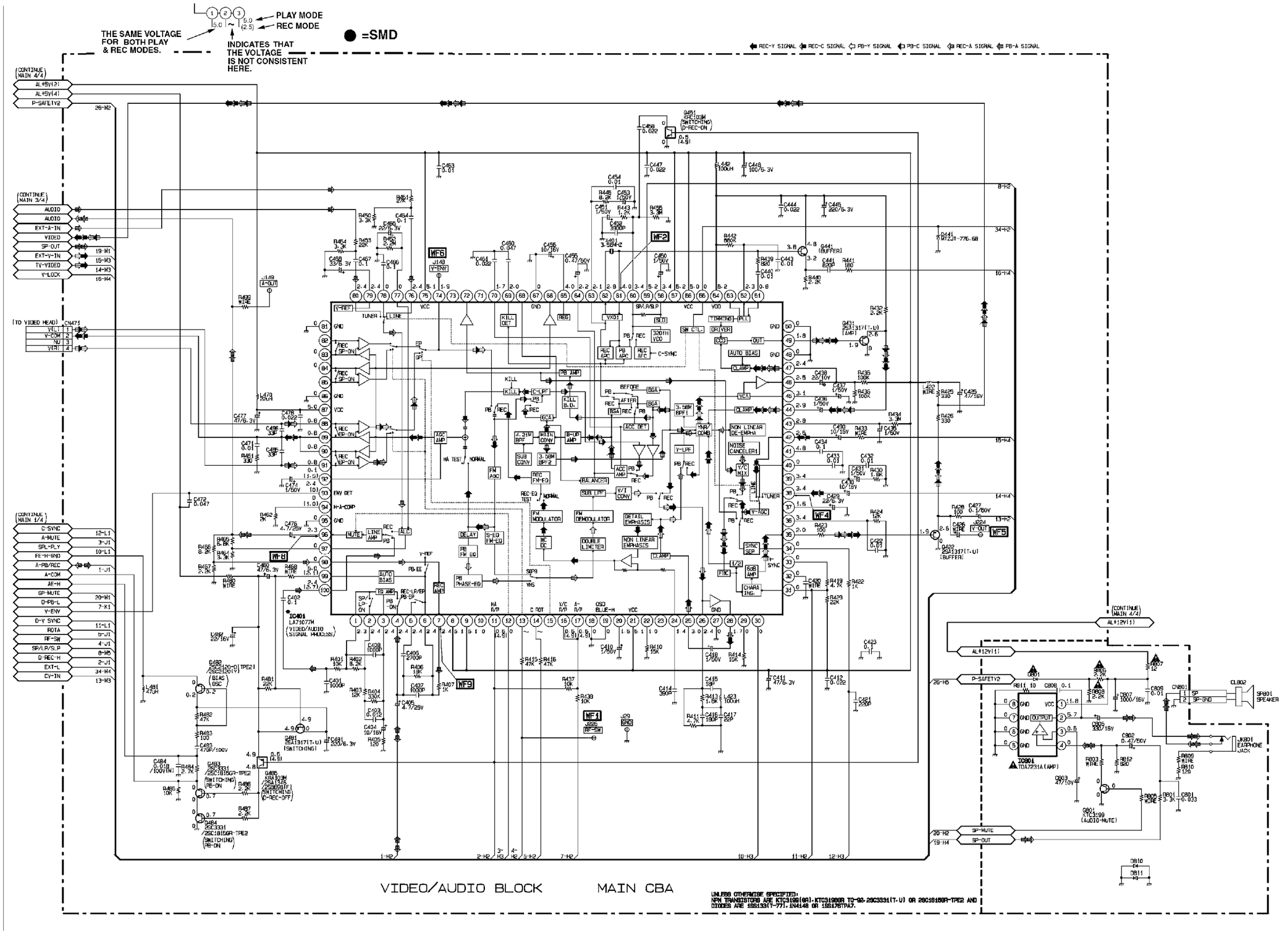
CN471
V(L) 1
V-COM 2
NC 3
V(R) 4
VIDEO L HEAD
VIDEO R HEAD

CN852
FE-H 1
FE-H GND 2
FE HEAD UNIT
FULL ERASE HEAD

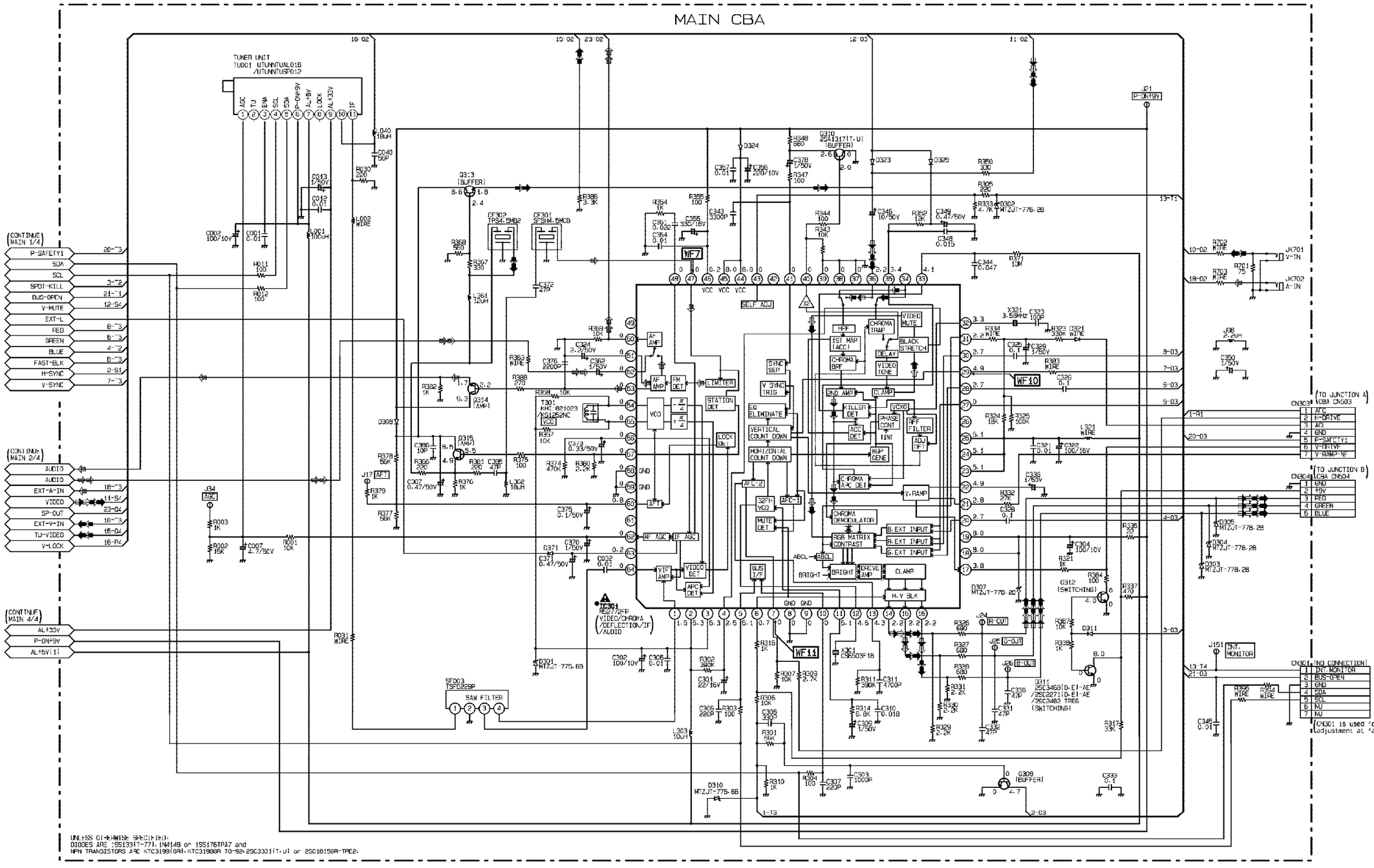
USED ONLY IN MODELS: CCA191AT31, CCA192AT31 (5866) - MAIN 1/4 SCHEMATIC


MAIN CBA
PLAY MODE
REC MODE
THE SAME VOLTAGE FOR BOTH PLAY & REC MODES.
INDICATES THAT THE VOLTAGE IS NOT CONSISTENT HERE.
=SMD
REC-A SIGNAL
PB-A SIGNAL
IC203 BNA-0101C (RESET)
IC207 NJM2904N (OP AMP)
IC202 M37516M8-109C (MEMORY)
IC201 M377GUMCABA4GP (SERVO/SYSTEM CONTROL/TV/OSD MICRO CONTROLLER)
IC204 TA7291S (LOADING MOTOR DRIVE)
IC204A BA6956N (LOADING MOTOR DRIVE)
IR RECEIVER UNIT
TO CAPSTAN MOTOR
TO ACE HEAD /LOADINGMOTOR /CYLINDER MOTOR
SERVO/SYSTEM CONTROL BLOCK
UNLESS OTHERWISE SPECIFIED:
NPN TRANSISTORS ARE KTC3198(GR),KTC3406A TO=92,2SC3331(T,U) OR 2SC1815GR-TPE2.
DIODES ARE 1SS133(T-77),1N4148 OR 1SS176TPA7 AND
SWITCHES ARE SKQSAB OR KSM0612B.

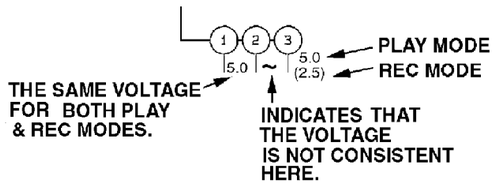
USED ONLY IN MODELS: CCA191AT31, CCA192AT31 (5866) - MAIN 2/4 SCHEMATIC



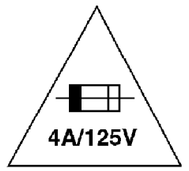
USED ONLY IN MODELS: CCA191AT31, CCA192AT31 (5866) - MAIN 3/4 SCHEMATIC



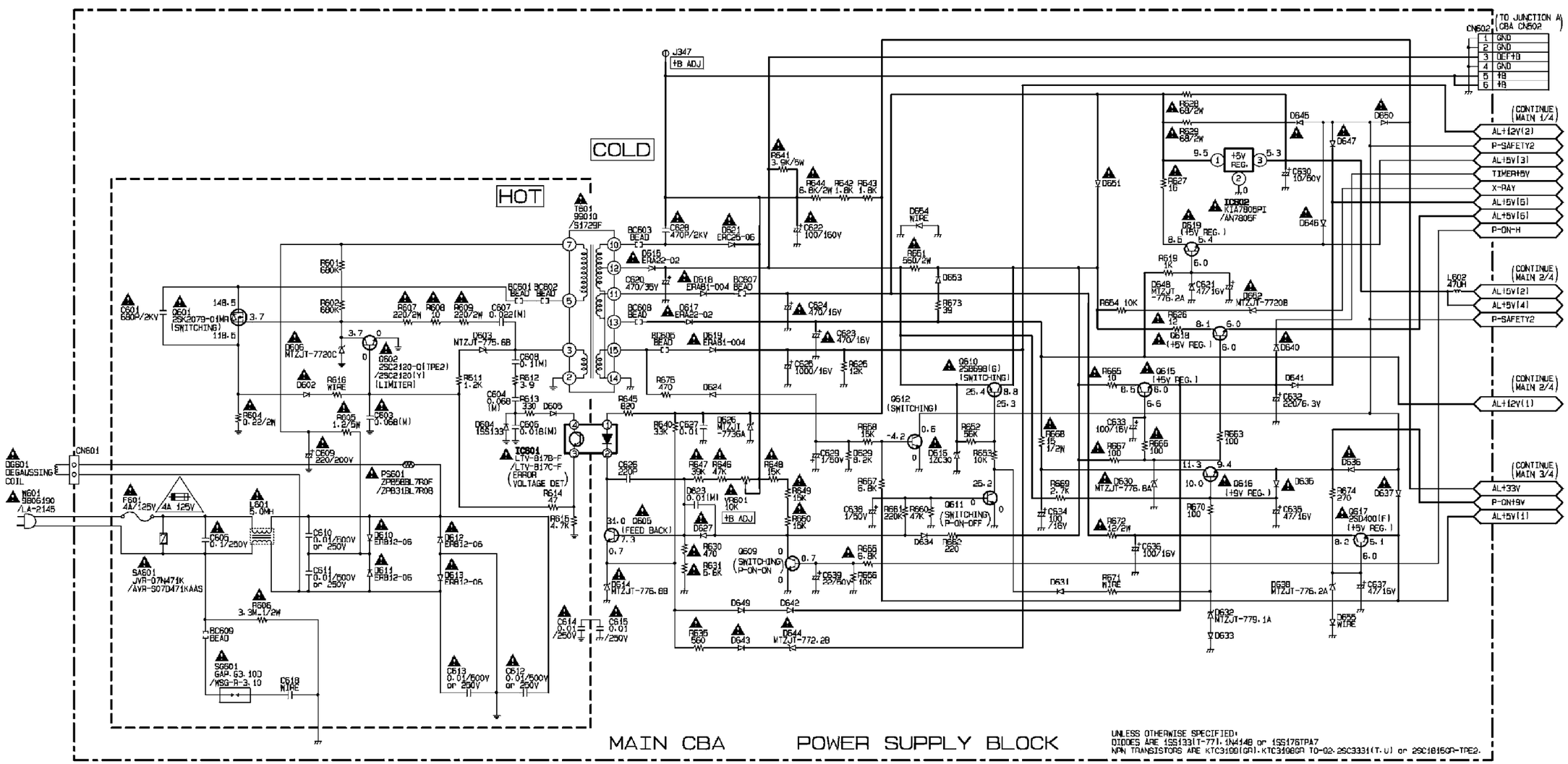
BECAUSE A HOT CHASSIS GROUND IS PRESENT IN THE POWER SUPPLY CIRCUIT, AN ISOLATION TRANSFORMER MUST BE USED. ALSO, IN ORDER TO HAVE THE ABILITY TO INCREASE THE INPUT SLOWLY, WHEN TROUBLESHOOTING THIS TYPE POWER SUPPLY CIRCUIT, A VARIABLE ISOLATION TRANSFORMER IS REQUIRED.



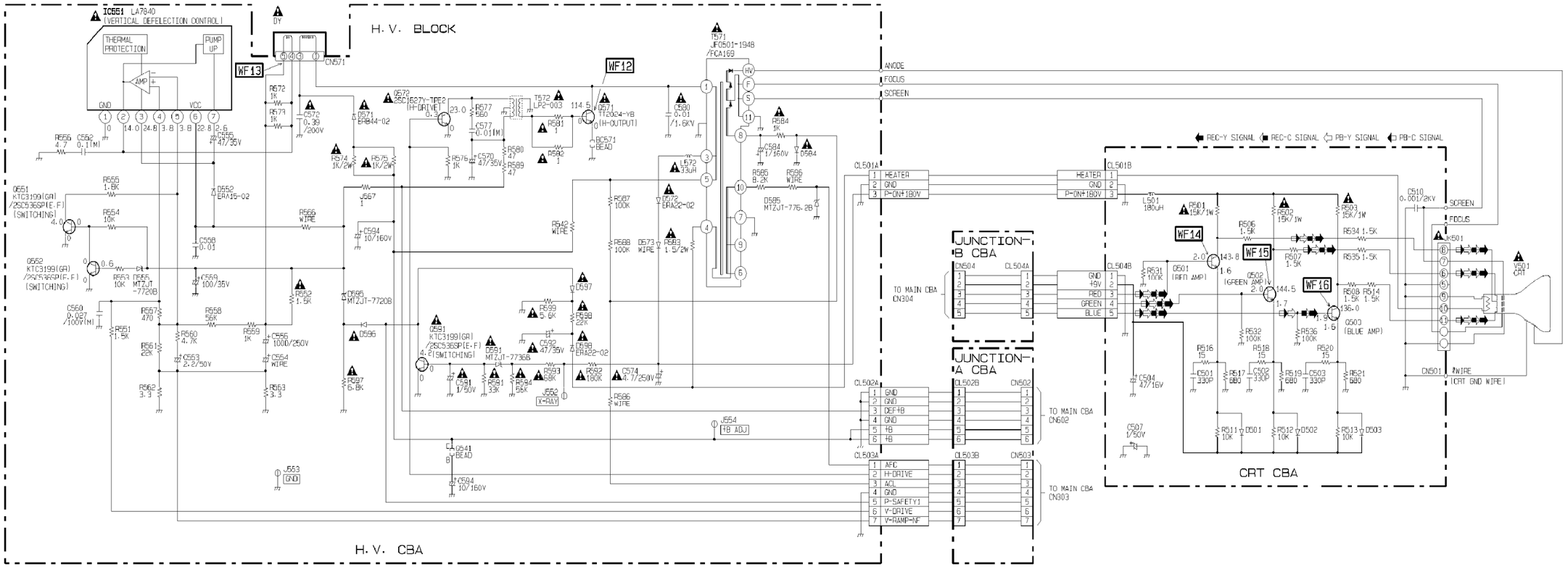
CAUTION !
Fixed voltage power supply circuit is used in this unit.
If Main Fuse (F601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.
NOTE : The voltage for parts in hot circuit is measured using hot GND as a common terminal.



CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE.
ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQES D'INCELE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE.
RISK OF FIRE-REPLACE FUSE AS MARKED.
"This symbol means fast operating fuse."
"Ce symbole représente un fusible à fusion rapide."

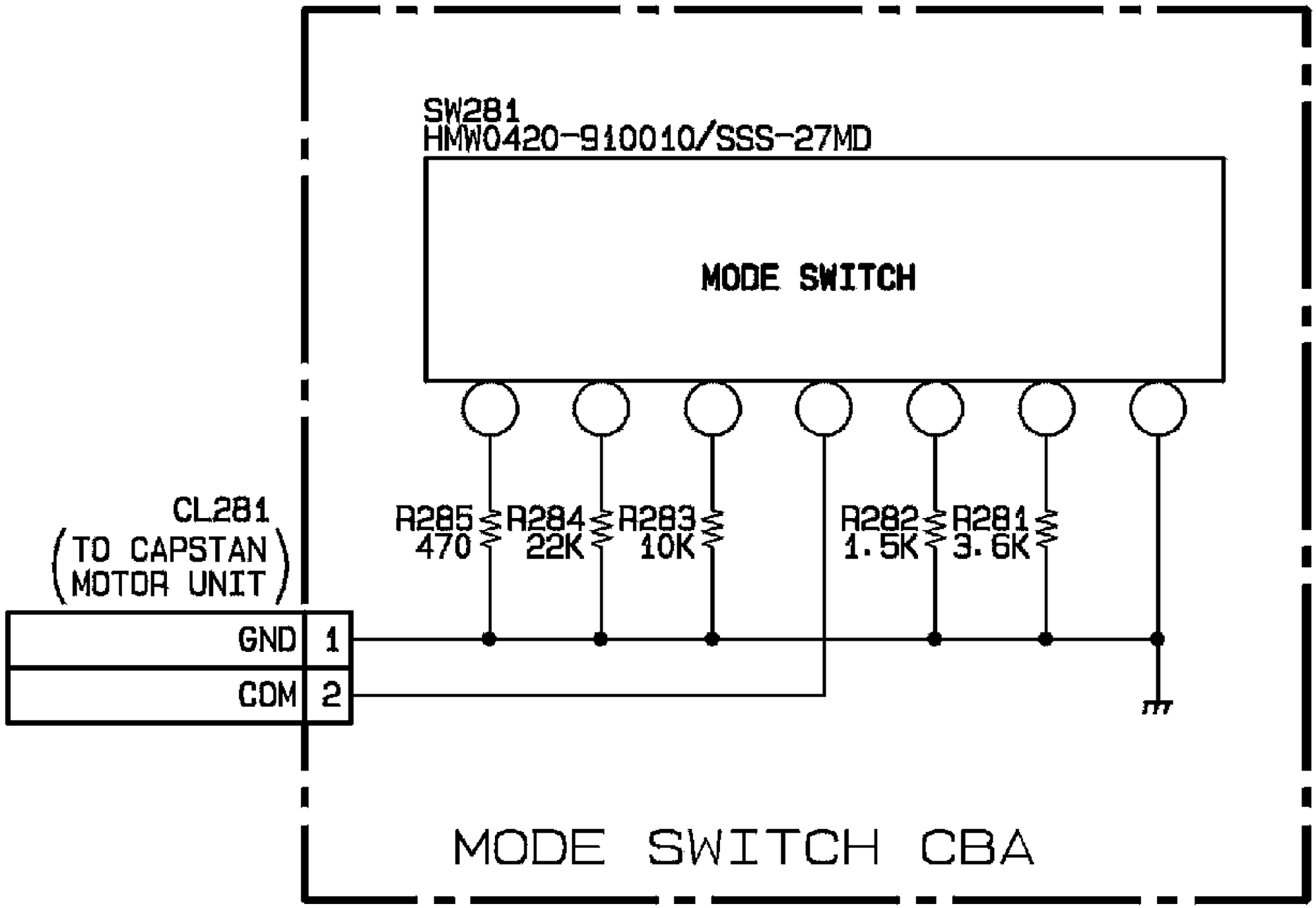


USED ONLY IN MODELS: CCA191AT31, CCA192AT31 (5866) - HV/CRT SCHEMATIC

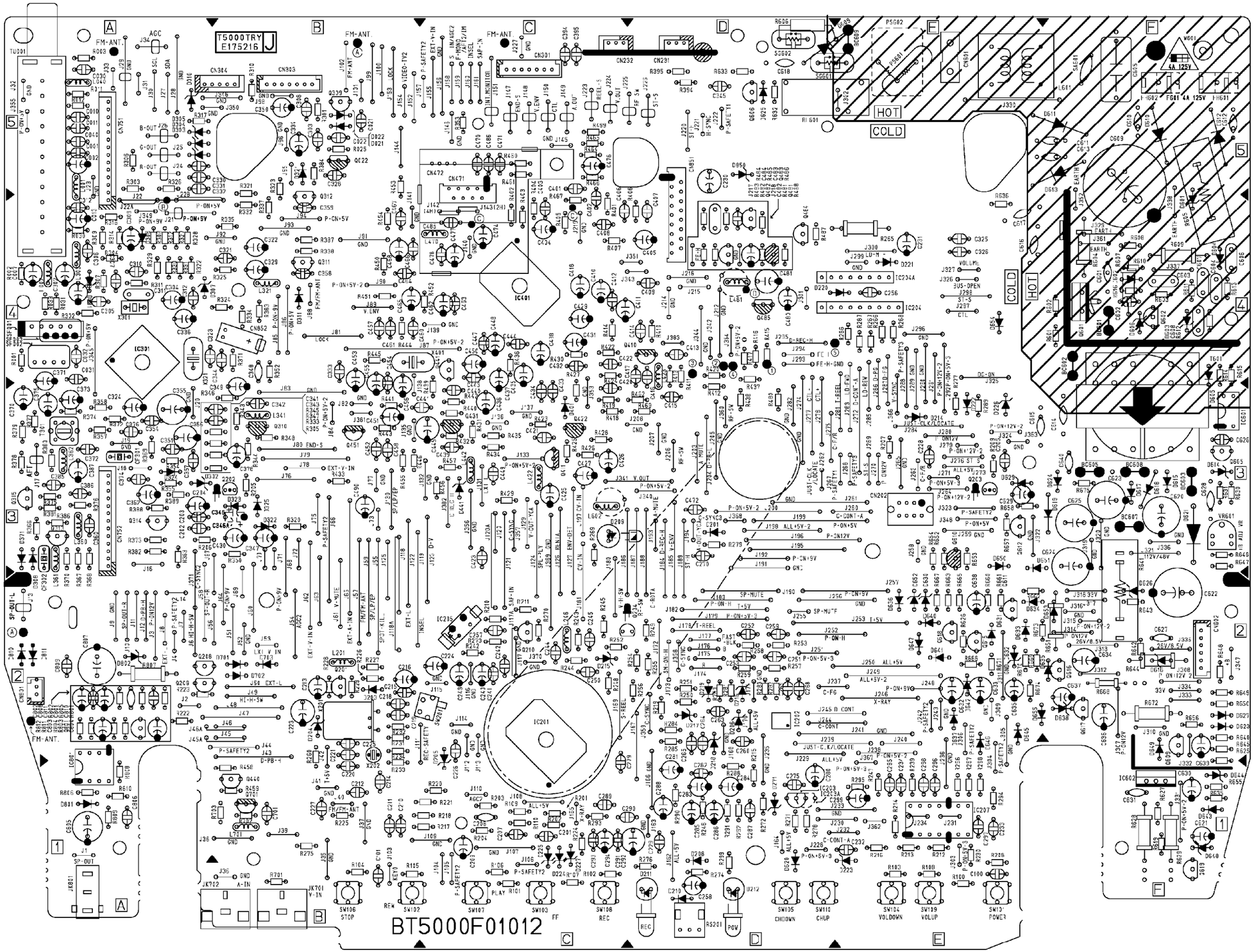


UNLESS OTHERWISE SPECIFIED:
DIODES ARE 1SS133(T-77), 1N4148 or 1SS176TPA7 and
NPN TRANSISTORS ARE 2SC2482 TPE6, 2SC3468(D,E)-AE, 2SC2271(D)-AENP or 2SC2271(E)-AE.

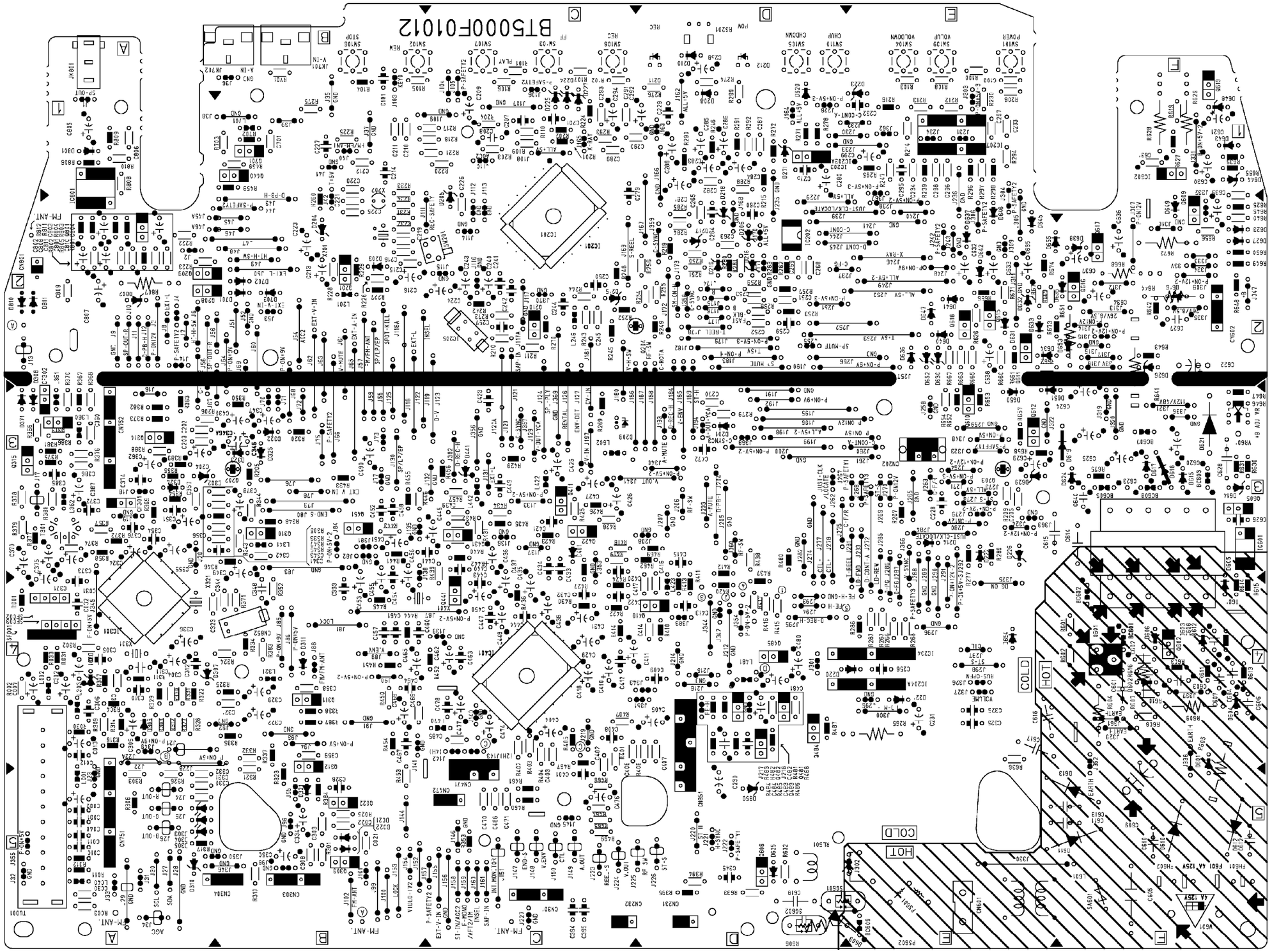
USED ONLY IN MODELS: CCA191AT31, CCA192AT31 (5866) - MODE SWITCH SCHEMATIC



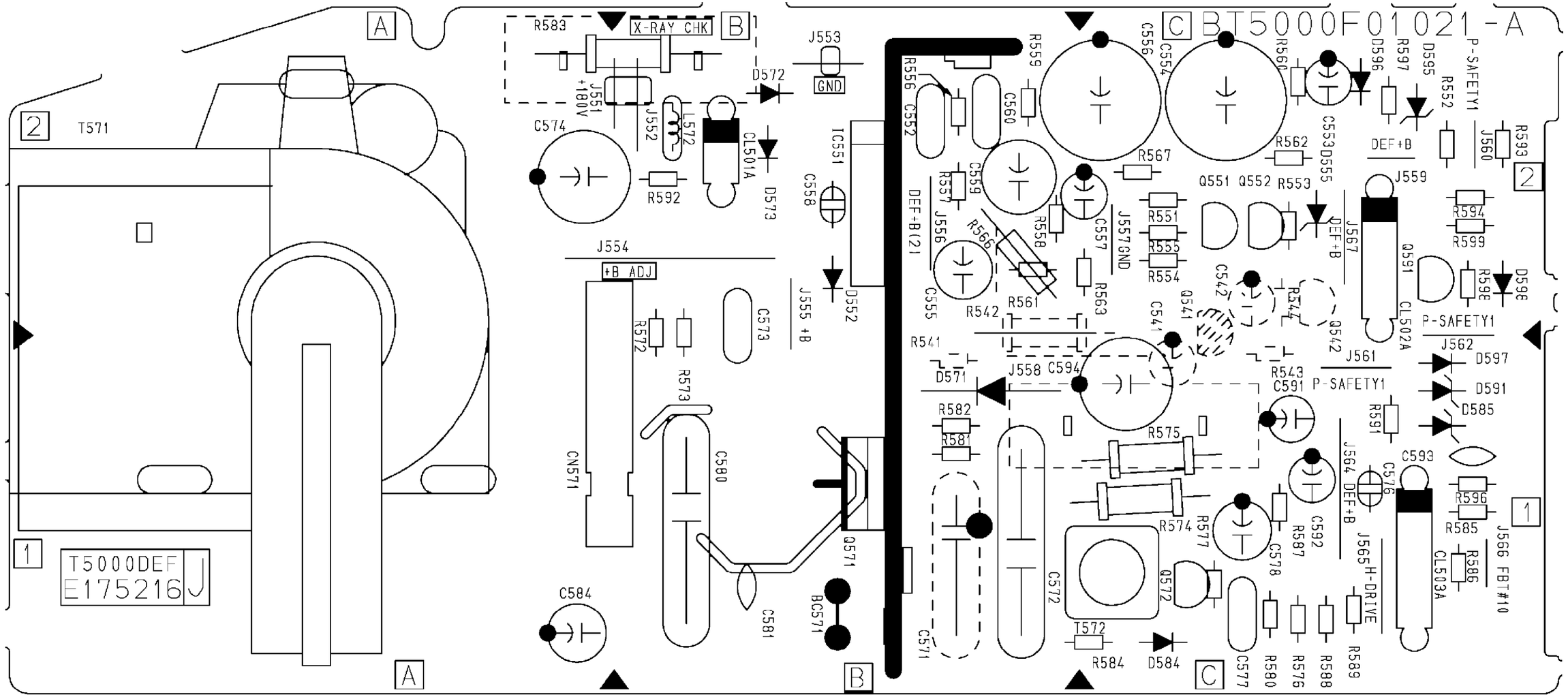
USED ONLY IN MODELS: CCA191AT31, CCA192AT31 (5866) - MAIN CBA (TOP)



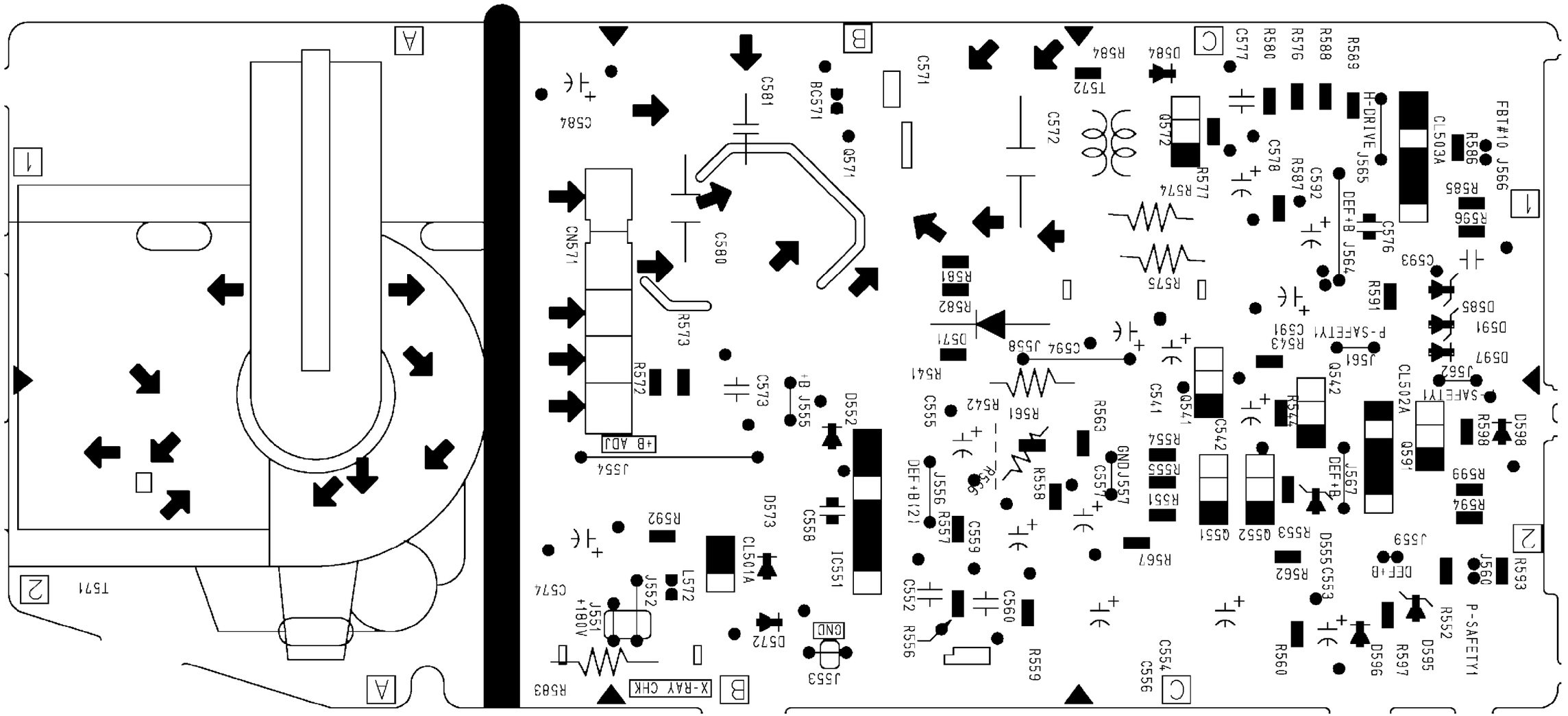
USED ONLY IN MODELS: CCA191AT31, CCA192AT31 (5866) - MAIN CBA (BOTTOM)



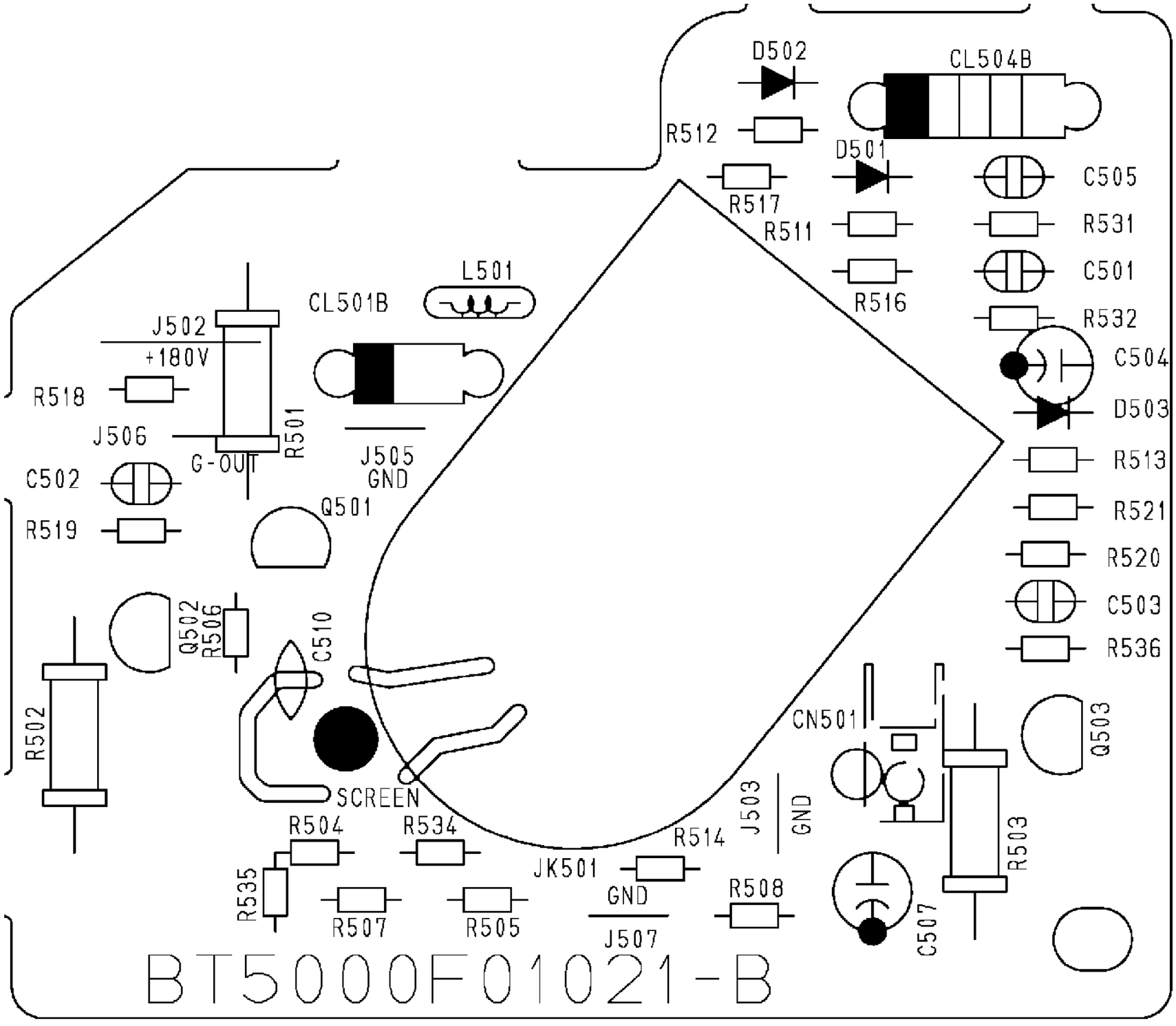
USED ONLY IN MODELS: CCA191AT31, CCA192AT31 (5866) - HV CBA (TOP)



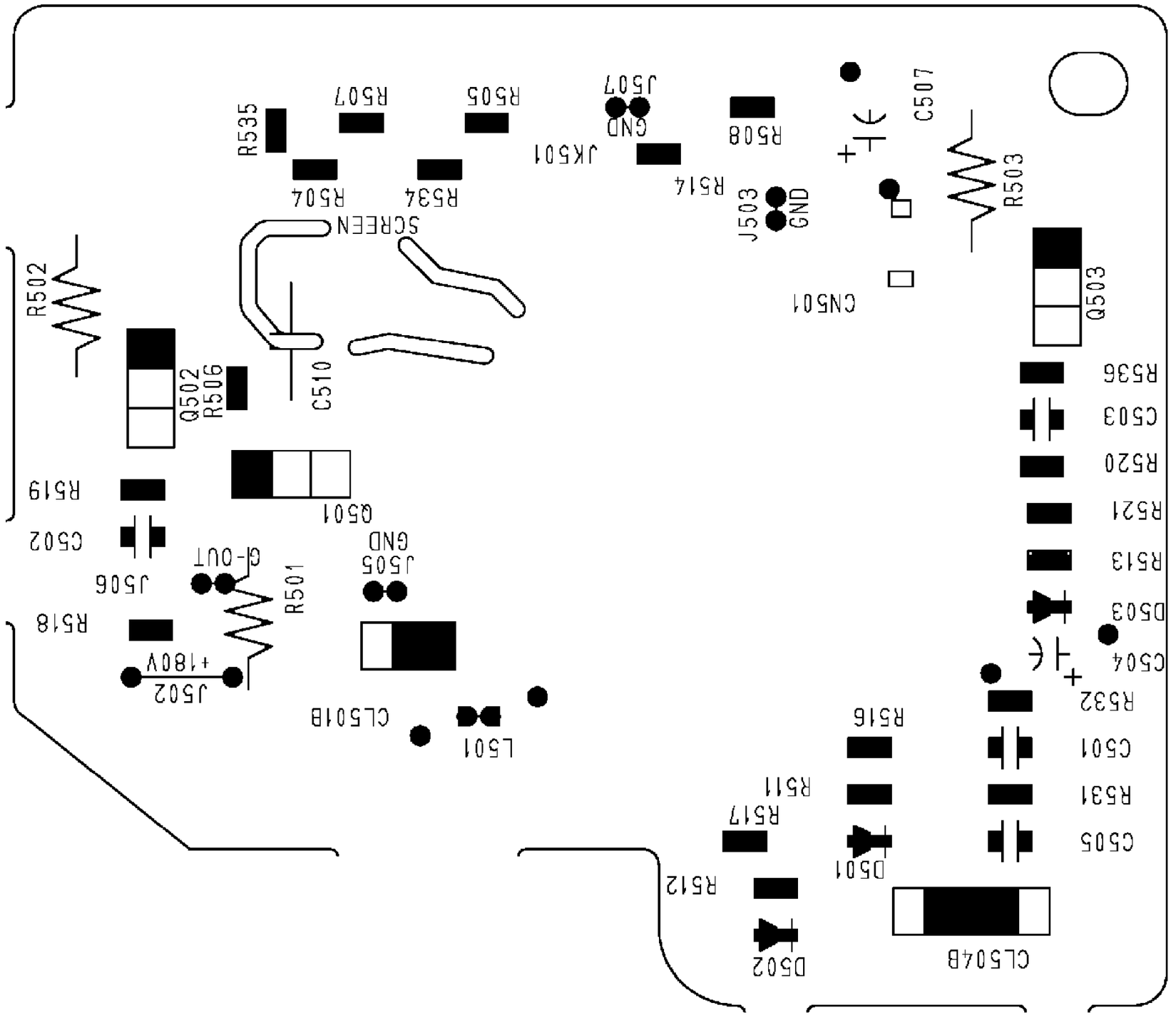
USED ONLY IN MODELS: CCA191AT31, CCA192AT31 (5866) - HV CBA (BOTTOM)



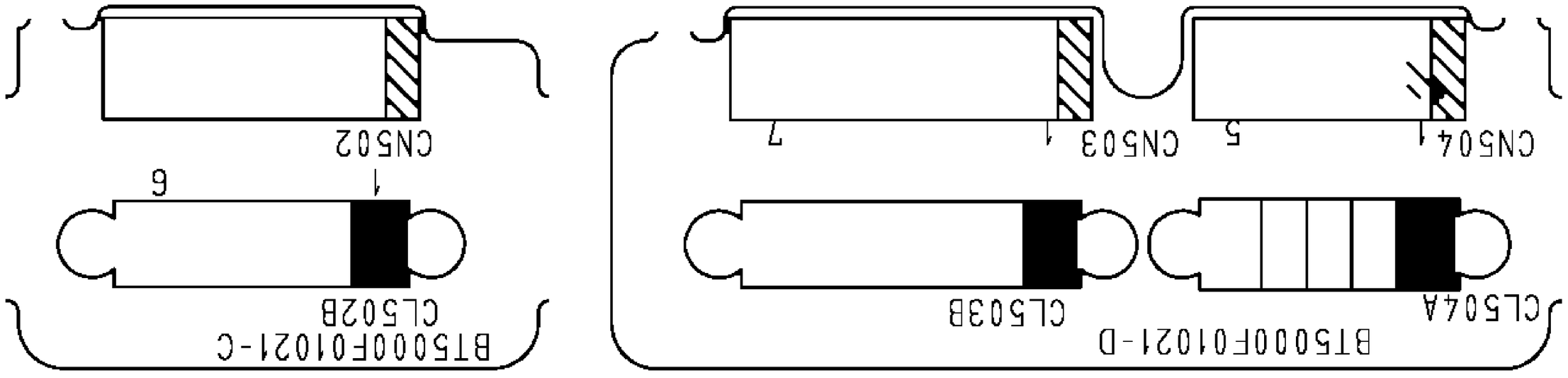
USED ONLY IN MODELS: CCA191AT31, CCA192AT31 (5866) - CRT CBA (TOP)

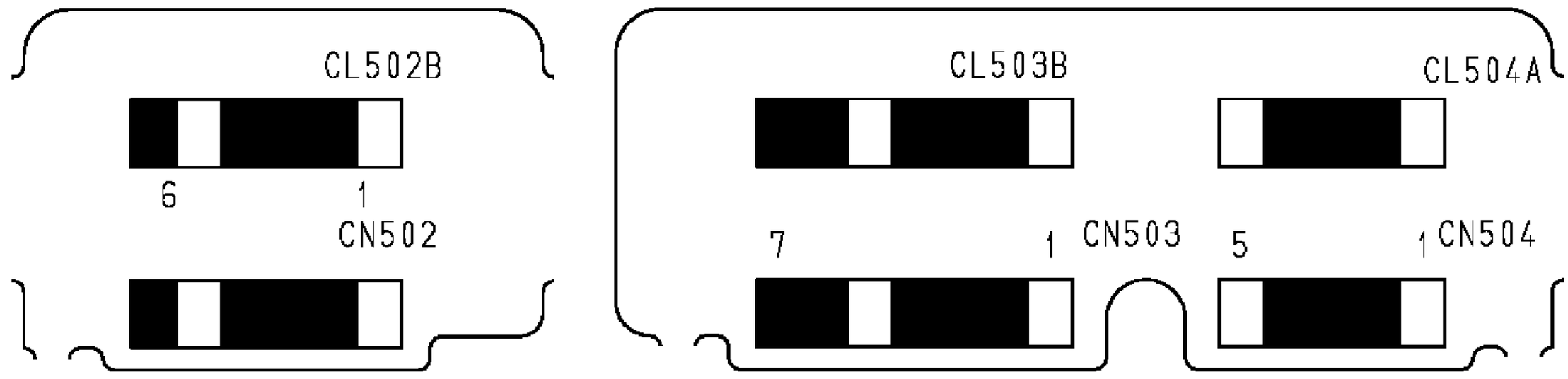


USED ONLY IN MODELS: CCA191AT31, CCA192AT31 (5866) - CRT CBA (BOTTOM)

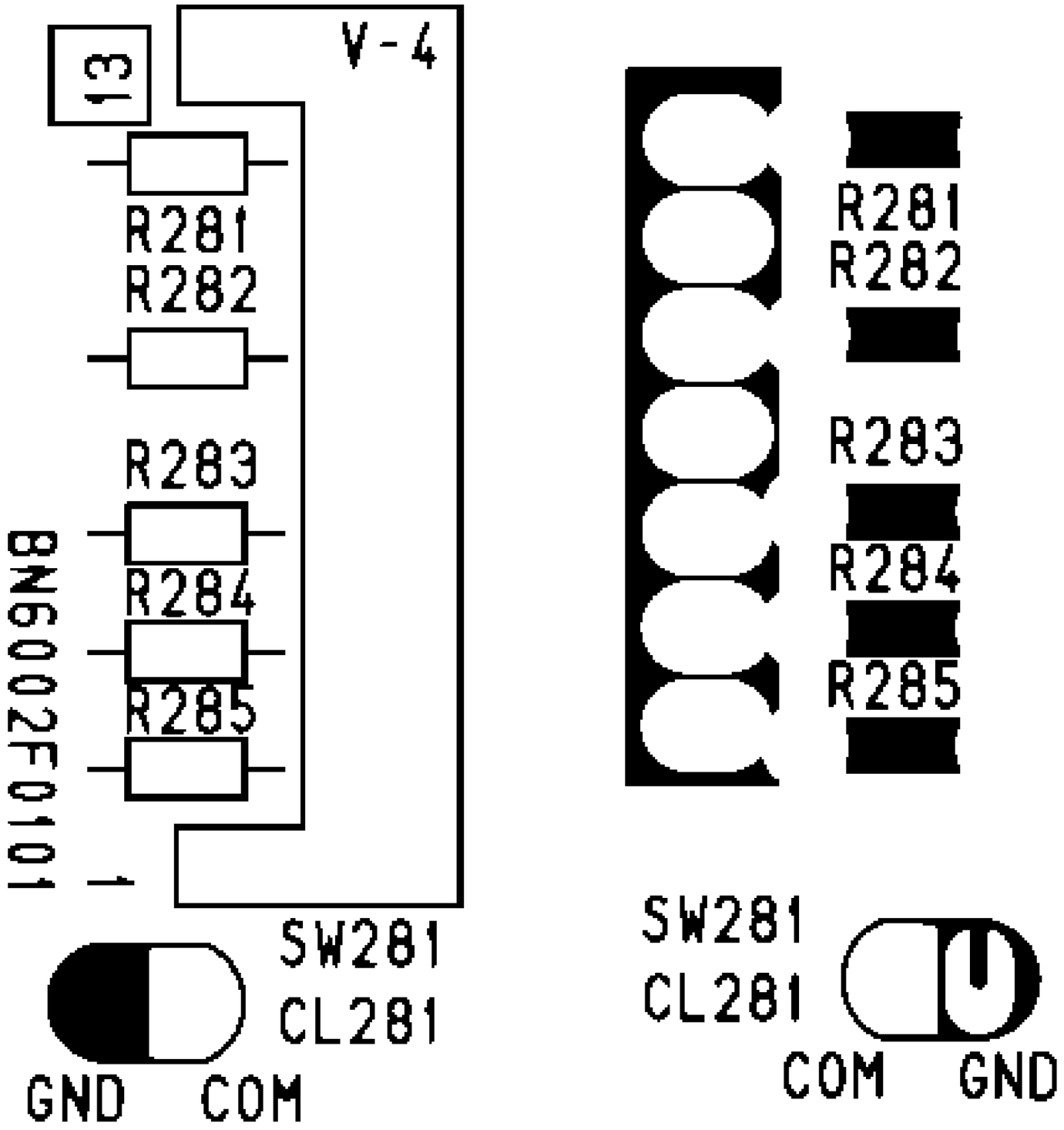


USED ONLY IN MODELS: CCA191AT31, CCA192AT31 (5866) - JUNCTION CBA (TOP & BOTTOM)





USED ONLY IN MODELS: CCA191AT31, CCA192AT31 (5866) - MODE SWITCH CBA (TOP/BOTTOM)



WIRING DIAGRAM

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

ANODE
CRT
GND
CN501
FOCUS
CRT CBA BT5000F01021-B
SCREEN
CL504B
CL501B: HEATER, GND, P-ON+180V
CL501A: HEATER, GND, P-ON+180V
T571 FBT
D.Y.
HD
VD
CN571
H.V. CBA BT5000F01021-A

SP801 SPEAKER
CL802
CN801: SP, SP-GND

JUNCTION B CBA BT5000F01021-D
CL504A / CN504: GND, +9V, RED, GREEN, BLUE
CN304: GND, +9V, RED, GREEN, BLUE

JUNCTION A CBA BT5000F01021-C
CL503A / CL503B / CN503: AFC, H-DRIVE, ACL, GND, P-SAFETY 1, V-DRIVE, V-RAMP-NF
CN303: AFC, H-DRIVE, ACL, GND, P-SAFETY 1, V-DRIVE, V-RAMP-NF

CL502A / CL502B / CN502: GND, GND, DEF+B, GND, +B, +B
CN602: GND, GND, DEF+B, GND, +B, +B

CN301: INT.MONITOR, BUS-OPEN, GND, SDA, SCL, NU, NU
(NO CONNECTION)
CN301 IS USED FOR ADJUSTMENT AT FACTORY

CN601
W601

MAIN CBA BT5000F01012

CN232: AL+12V(1), LOCATE, GND
CN231: GND, GND, GND
CN831: AL+12V(1), LOCATE, GND
CN832: GND, GND, GND
REMOTE LOCATOR CBA BH1940M01011

WIRING DIAGRAM FOR SECTION 2 (DECK MECHANISM)

CN202: C-F/R, AL+5V(3), AL+12V(2), C-FG, LD-SW, C-CONT, FG GND, CM GMD
CAPSTAN MOTOR UNIT
MODE SW CBA BN6002F01011
SW281 MODE SWITCH

DRUM MOTOR UNIT

CN851: AL+5V(3), S-GND, D-PG, AL+12V(2), D-FG, M-GND, D-CONT, NU, LD-M(+), LD-M(-), NU, AE-H, AE-H/FE-H, A-COM, A-PB/REC, CTL(+), CTL(-)

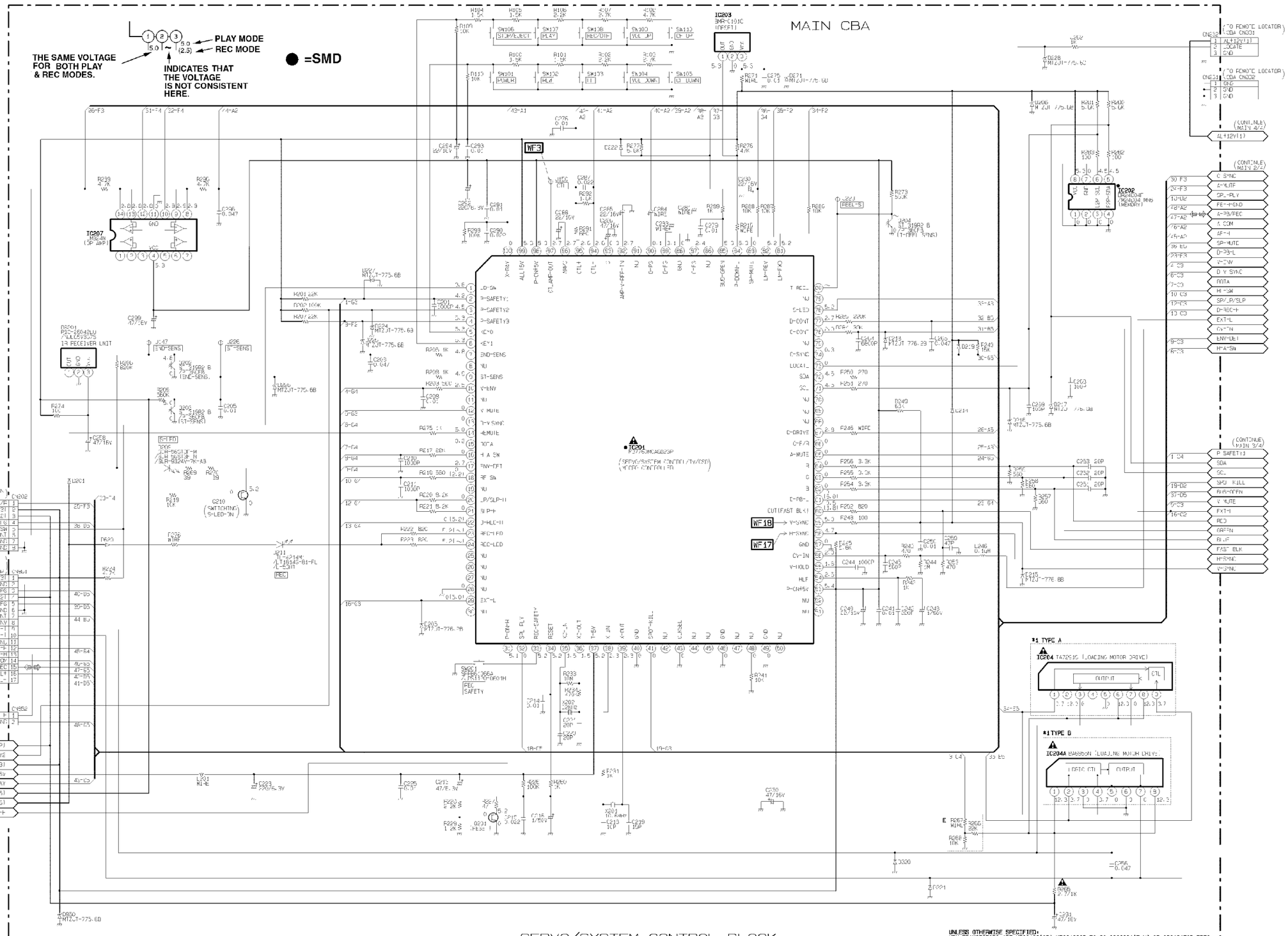
LOADING MOTOR UNIT
LOADING MOTOR
M

CN287
AUDIO ERASE HEAD
AUDIO HEAD
CONTROL HEAD
ACE HEAD UNIT

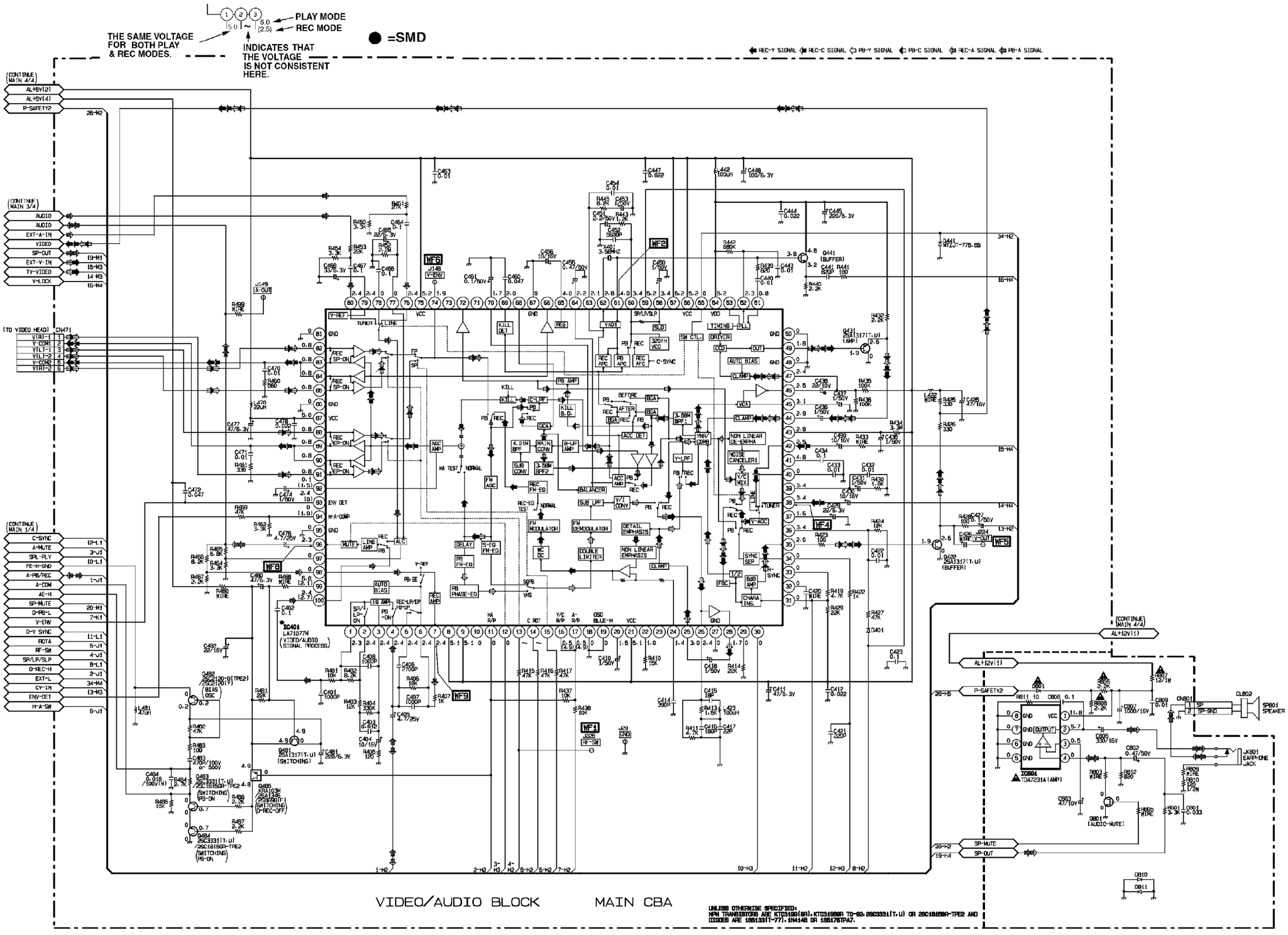
CN471: V(R)-1, V-COM, V(L)-1, V(L)-2, V-COM, V(R)-2
VIDEO R1 HEAD
VIDEO L1 HEAD
VIDEO L2 HEAD
VIDEO R2 HEAD

CN852: FE-H, FE-H GND
FE HEAD UNIT
FULL ERASE HEAD

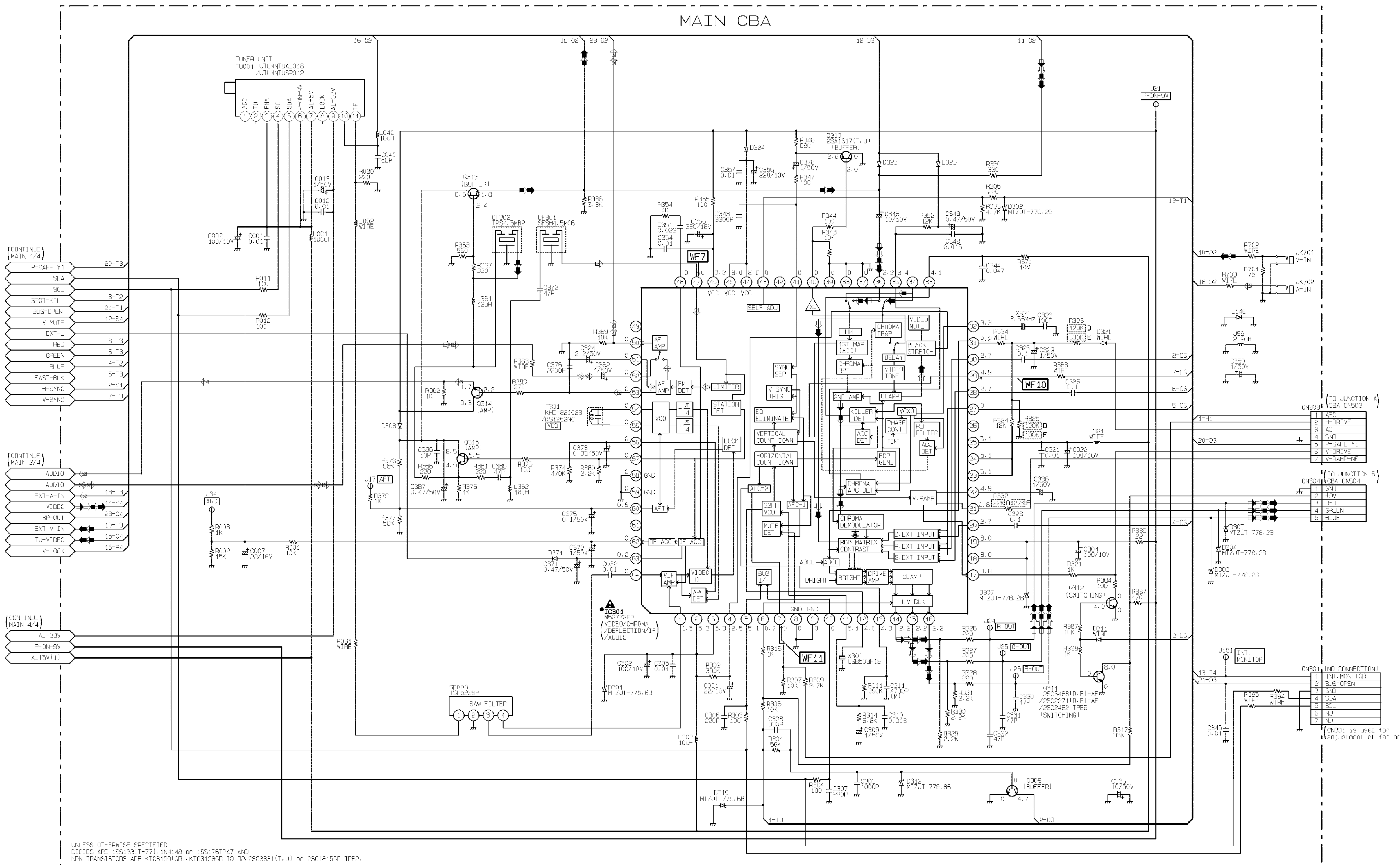
USED ONLY IN MODELS: CCA134AT01, CCA194AT31 (5866) - MAIN 1/4 SCHEMATIC



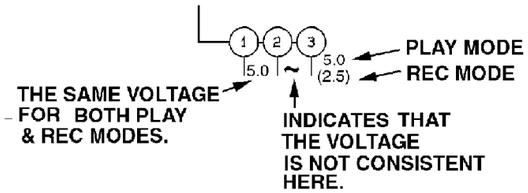
USED ONLY IN MODELS: CCA134AT01, CCA194AT31 (5866) - MAIN 2/4 SCHEMATIC



USED ONLY IN MODELS: CCA134AT01, CCA194AT31 (5866) - MAIN 3/4 SCHEMATIC

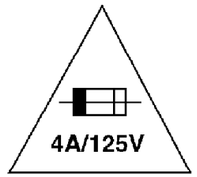


MAIN CBA
TUNER UNIT
TU001 (TUNNTUAJ018 /UTUNNTUSP012
AGC
TU
ENA
SCL
SDA
P-ON-9V
AL+5V
LOCK
AL-33V
IF
(CONTINUE MAIN 1/4)
P-SAFETY1
SDA
SCL
SPOT-KILL
BUS-OPEN
V-MUTE
EXT-L
RED
GREEN
BLUE
FAST-BLK
H-SYNC
V-SYNC
(CONTINUE MAIN 2/4)
AUDIO
AUDIO
EXT-A-IN
VIDEO
SP-OUT
EXT V IN
TU-VIDEO
V-LOCK
(CONTINUE MAIN 4/4)
AL-33V
P-ON-9V
AL+5V(1)
Q313 (BUFFER)
Q314 (AMP)
Q315 (AMP)
Q310 2SA1317(T,U) (BUFFER)
CF302 TPS4.5MB2
CF301 SFSH4.5MCB
T301 KHC-821C23 /KS12E2NC
VCO
SAW FILTER
SF003 TSF5229P
J34 AGC
J17 AFT
WF7
WF10
WF11
IC301 M52772FP (VIDEO/CHROMA /DEFLECTION/IF /AUDIO)
AF AMP
FM DET
LIMITER
STATION DET
LOCK DET
AFT
RF AGC
IF AGC
VIF AMP
VIDEO DET
APC DET
SELF ADJ
SYNC SEP
V SYNC TRIG
EQ ELIMINATE
VERTICAL COUNT DOWN
HORIZONTAL COUNT DOWN
AFC-2
32FH VCO
AFC-1
MUTE DET
BUS I/F
1ST MAP (ACC)
CHROMA BPF
CHROMA TRAP
DELAY
VIDEO TONE
VIDEO MUTE
BLACK STRETCH
2ND AMP
CLAMP
KILLER DET
VCXO
PHASE CONT
ACC DET
REF FILTER
ADJ DET
EGP GENE
CHROMA APC DET
V.RAMP
CHROMA DEMODULATOR
RGB MATRIX CONTRAST
B.EXT INPUT
R.EXT INPUT
G.EXT INPUT
ABCL
BRIGHT
DRIVE AMP
CLAMP
I.V BLK
GND
VCC
TINT
J21 P-ON-9V
J24 R-OUT
J25 G-OUT
J26 B-OUT
J151 INT. MONITOR
Q311 2SC5468(D,E)-AE /2SC2271(D,E)-AE /2SC2482 TPE6 (SWITCHING)
Q312 (SWITCHING)
Q309 (BUFFER)
X301 CSB503F18
X321 3.58MHz
JK701 V-IN
JK702 A-IN
(TO JUNCTION A CBA CN503)
CN303
AFC
H-DRIVE
AC
GND
P-SAFETY1
V-DRIVE
V-RAMP-NF
(TO JUNCTION B CBA CN504)
CN304
GND
+9V
RED
GREEN
BLUE
CN301 (NO CONNECTION)
INT.MONITOR
BUS-OPEN
GND
SDA
SCL
NU
NU
(CN301 is used for adjustment at factory)
UNLESS OTHERWISE SPECIFIED:
DIODES ARE 1SS133(T-77),1N4148 or 1SS176TPA7 AND
NPN TRANSISTORS ARE KTC3199(GR),KTC3198GR TO-92,2SC3331(T,U) or 2SC1815GR-TPE2.

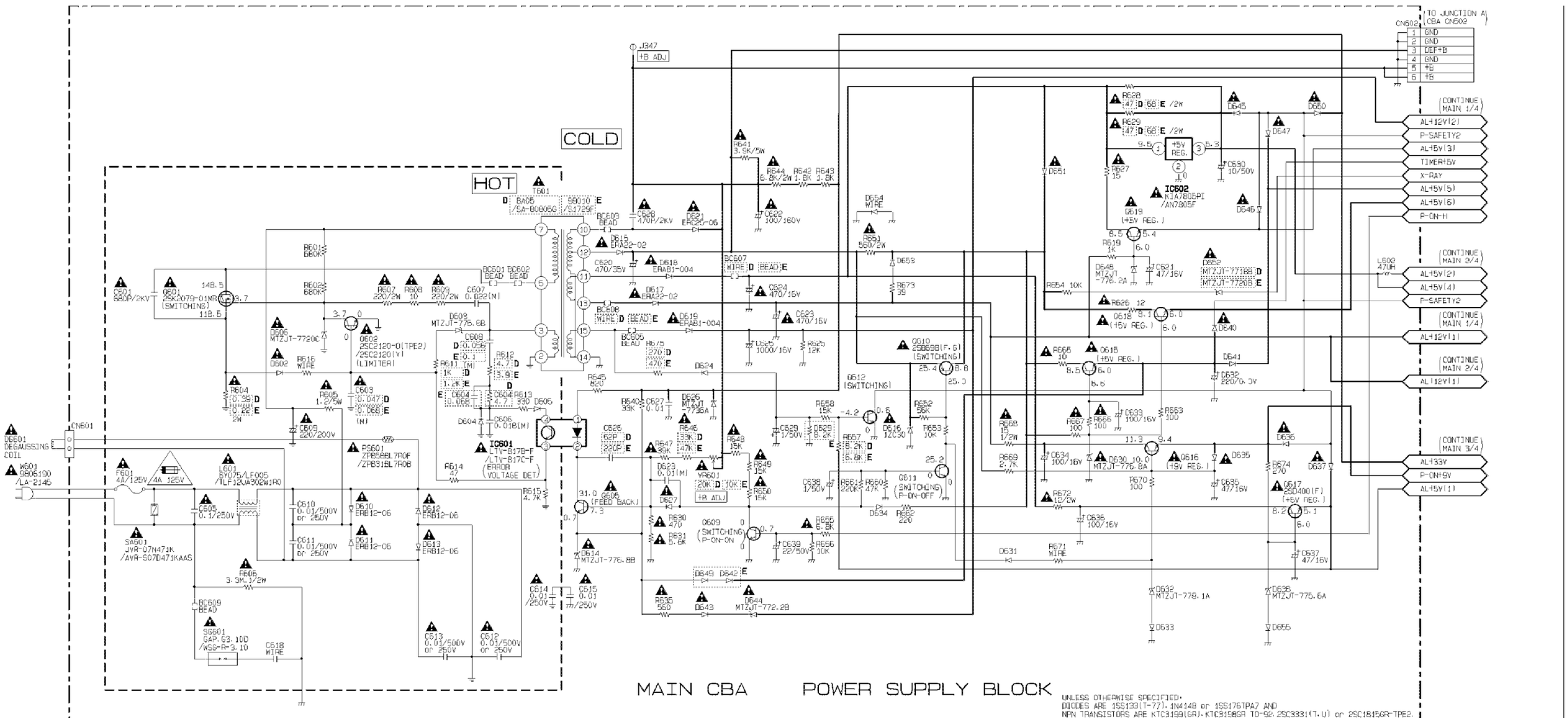


BECAUSE A HOT CHASSIS GROUND IS PRESENT IN THE POWER SUPPLY CIRCUIT, AN ISOLATION TRANSFORMER MUST BE USED. ALSO, IN ORDER TO HAVE THE ABILITY TO INCREASE THE INPUT SLOWLY, WHEN TROUBLESHOOTING THIS TYPE POWER SUPPLY CIRCUIT, A VARIABLE ISOLATION TRANSFORMER IS REQUIRED.

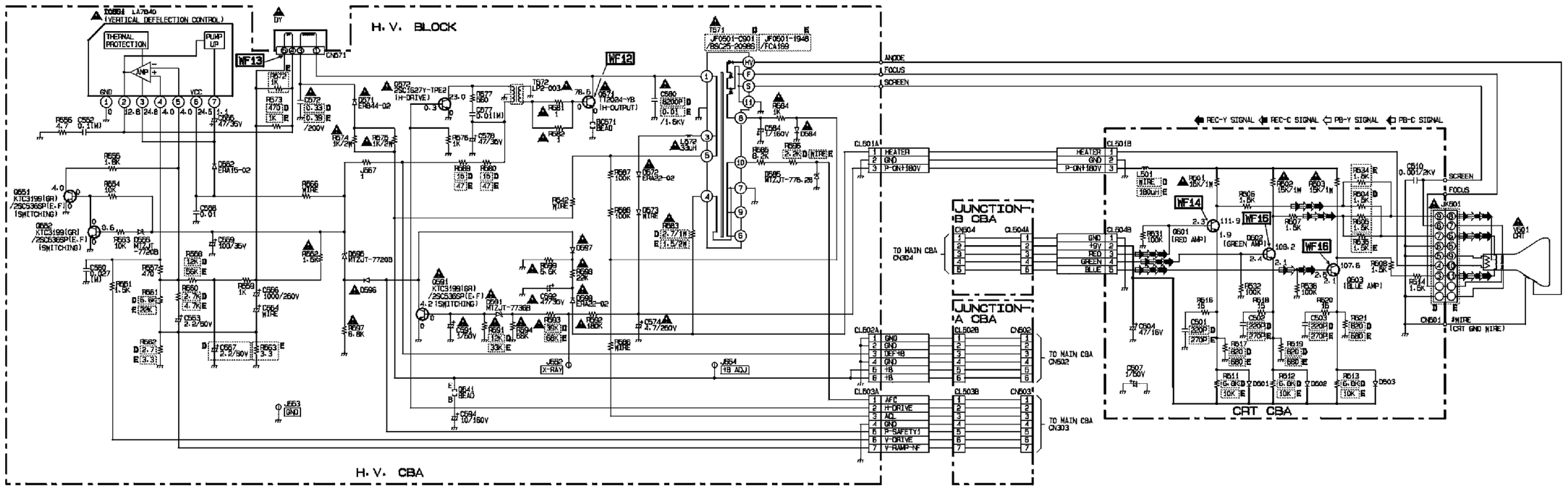
CAUTION !
Fixed voltage power supply circuit is used in this unit.
If Main Fuse (F601) is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.
NOTE : The voltage for parts in hot circuit is measured using hot GND as a common terminal.



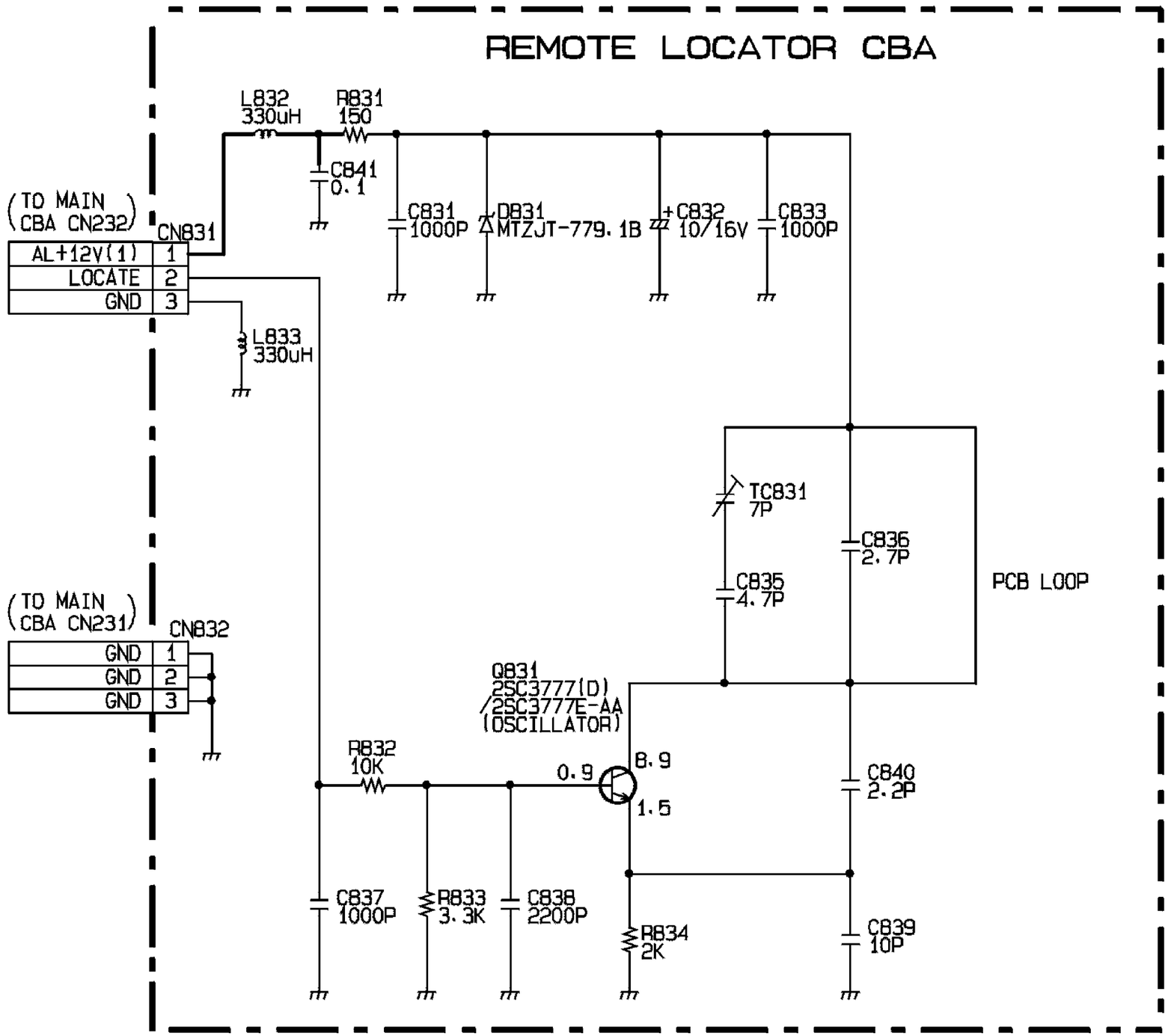
CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE.
ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQES D'INCELE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE.
RISK OF FIRE-REPLACE FUSE AS MARKED.
"This symbol means fast operating fuse."
"Ce symbole représente un fusible à fusion rapide."



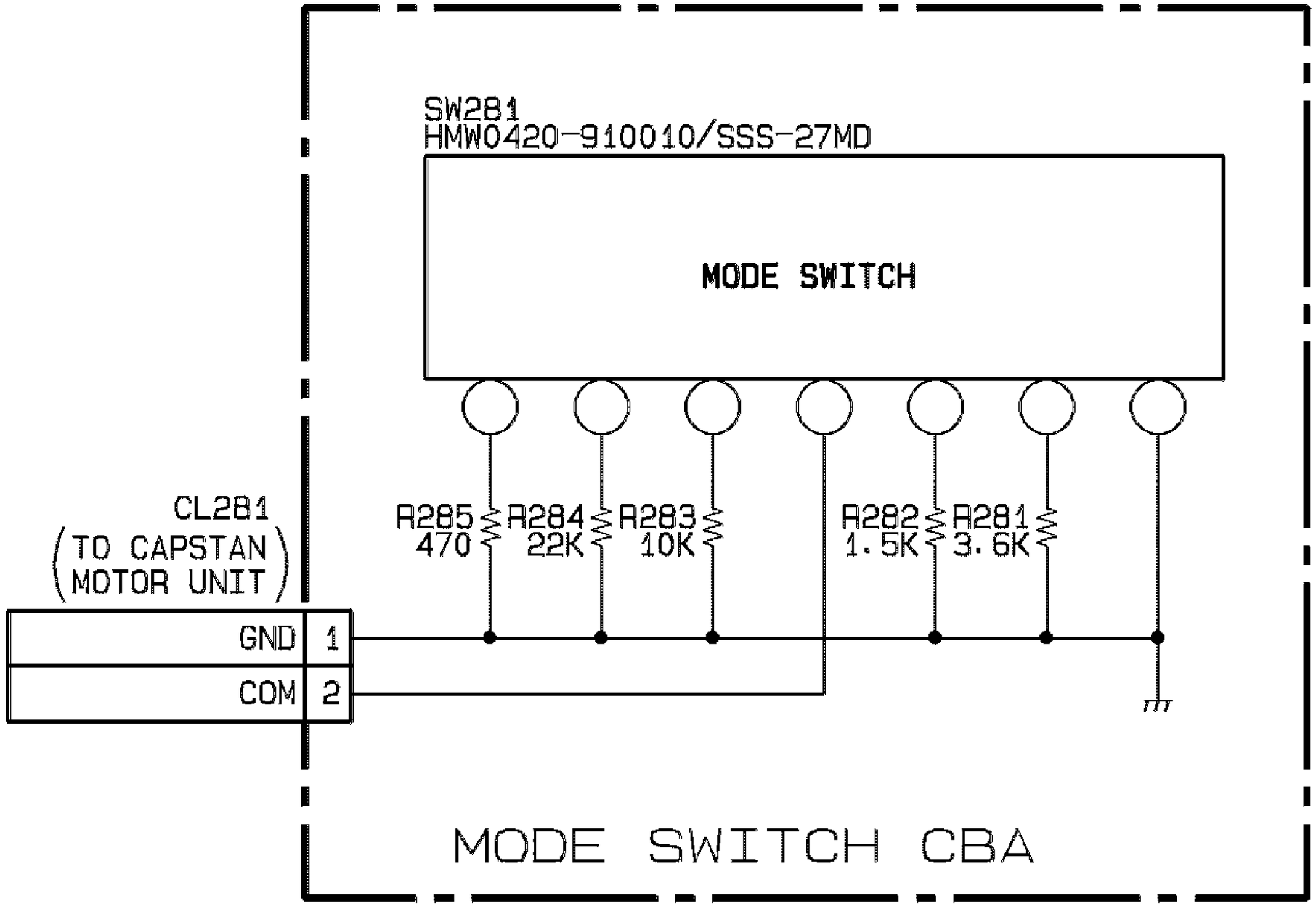
USED ONLY IN MODELS: CCA134AT01, CCA194AT31 (5866) - HV/CRT SCHEMATIC



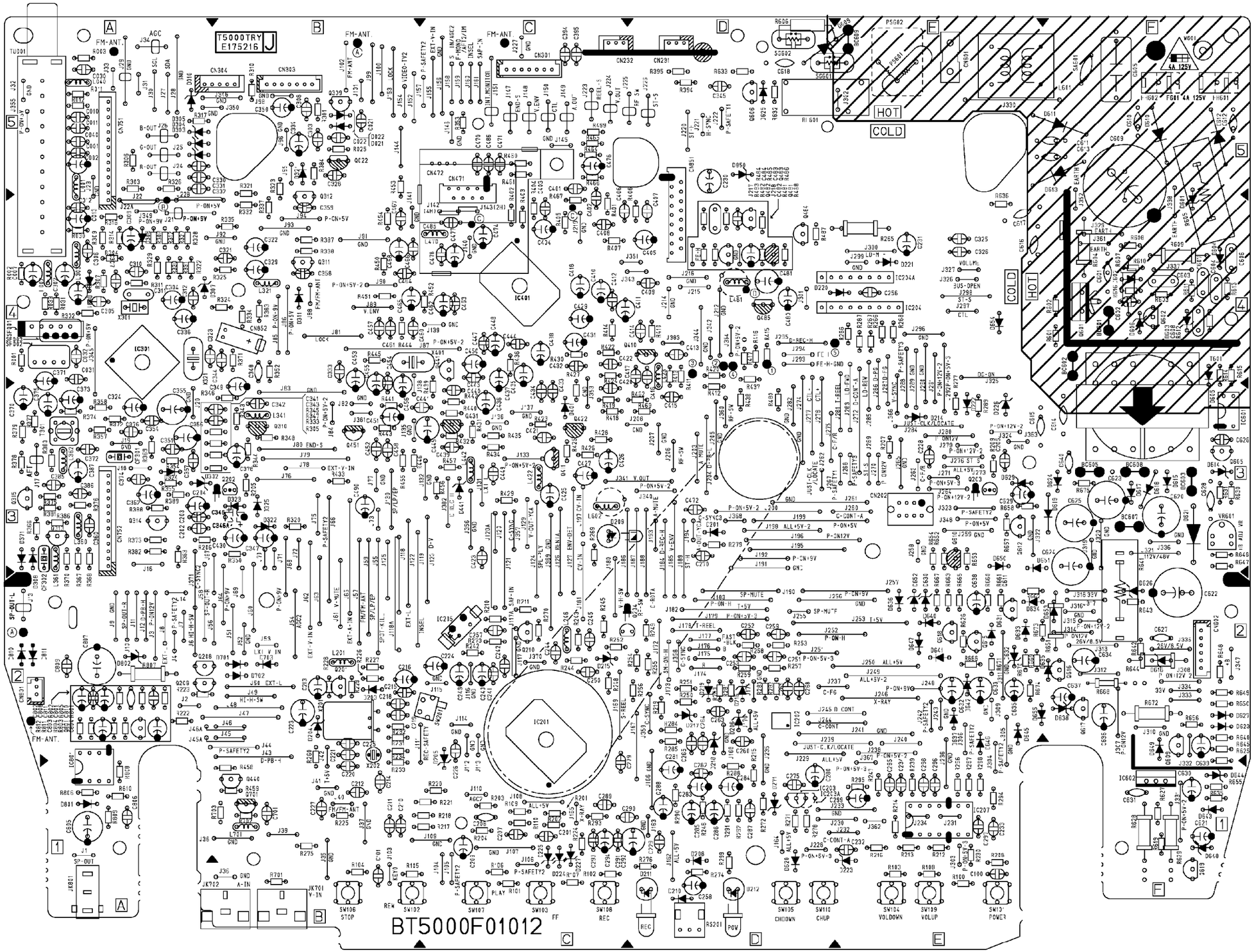
USED ONLY IN MODELS: CCA134AT01, CCA194AT31 (5866) - REMOTE LOCATOR SCHEMATIC



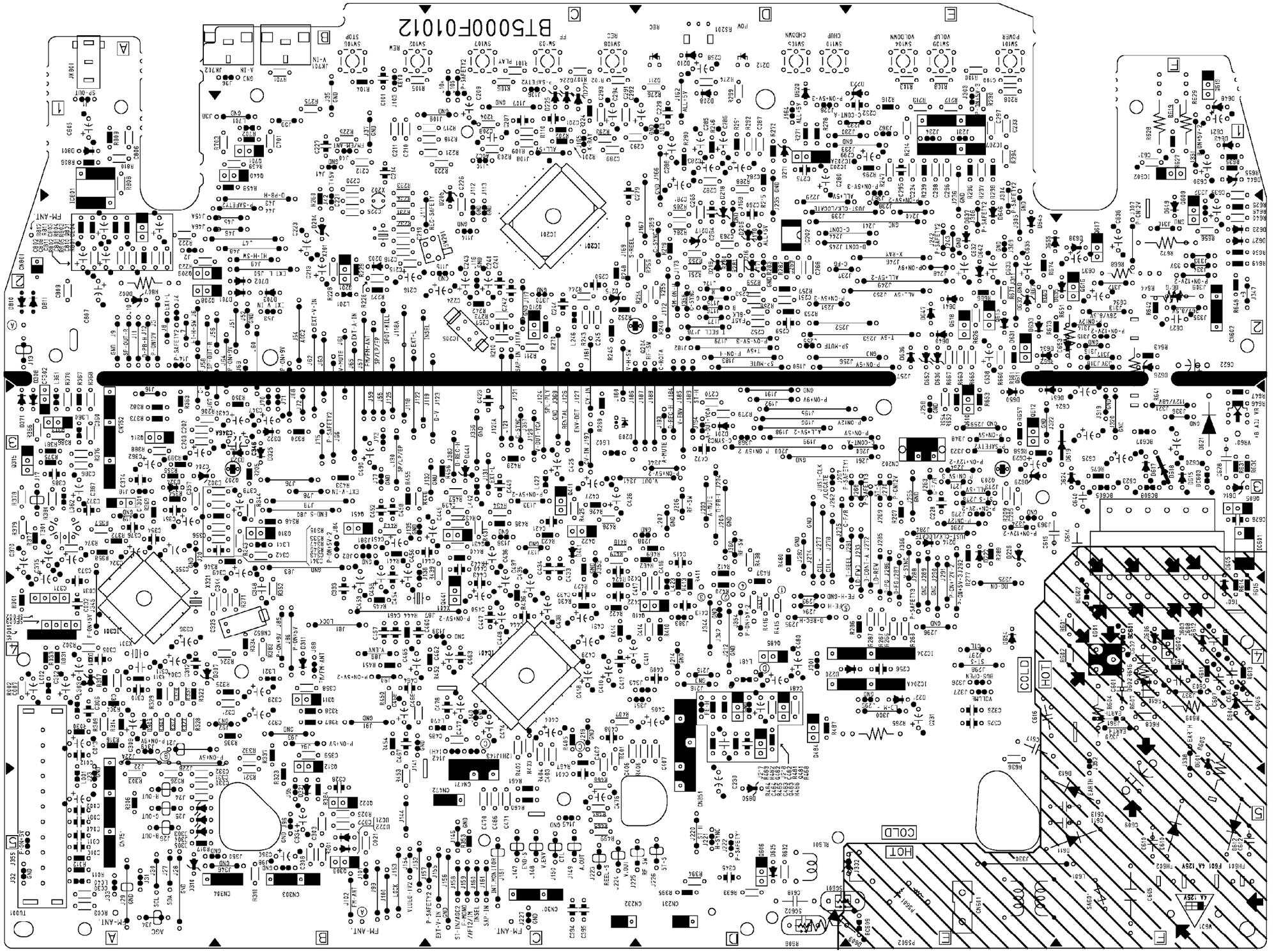
USED ONLY IN MODELS: CCA134AT01, CCA194AT31 (5866) - MODE SWITCH SCHEMATIC



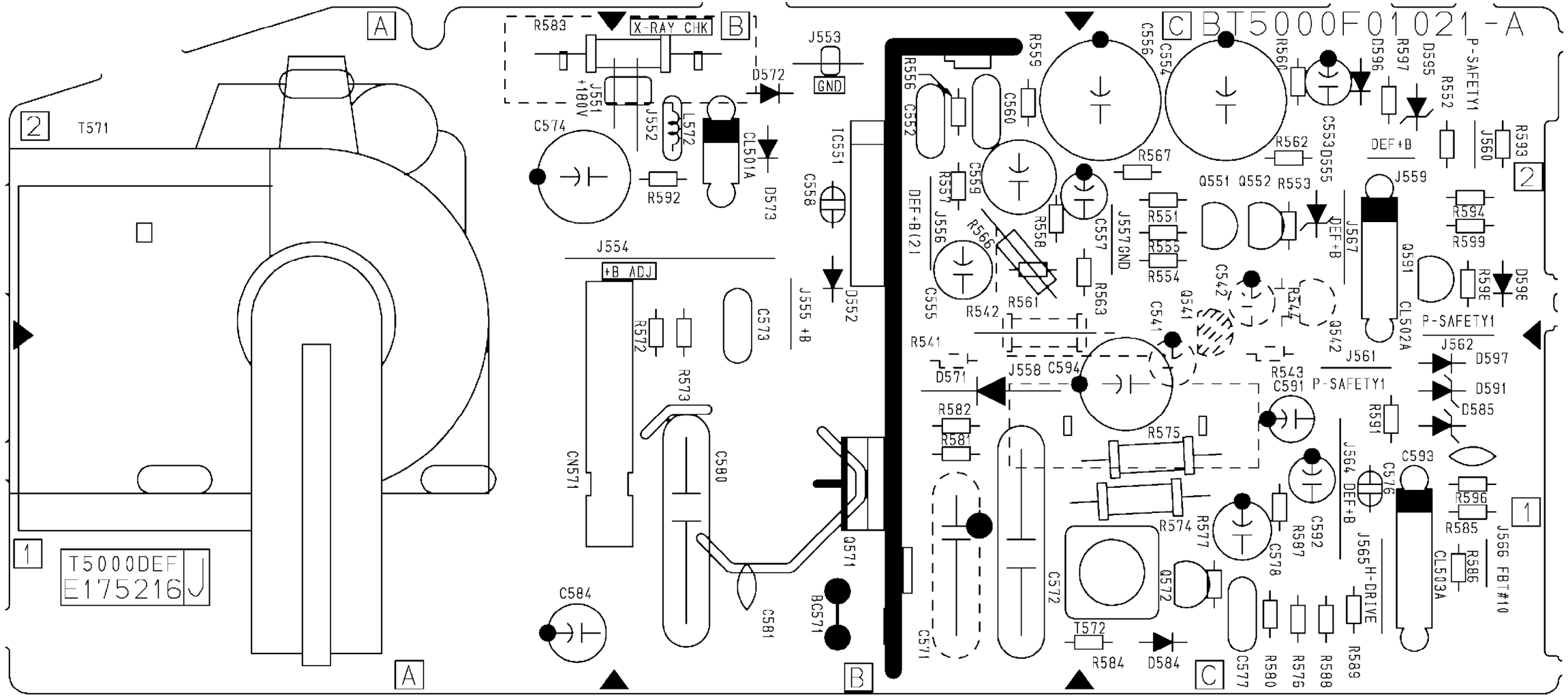
USED ONLY IN MODELS: CCA134AT01, CCA194AT31 (5866) - MAIN CBA (TOP)



USED ONLY IN MODELS: CCA134AT01, CCA194AT31 (5866) - MAIN CBA (BOTTOM)

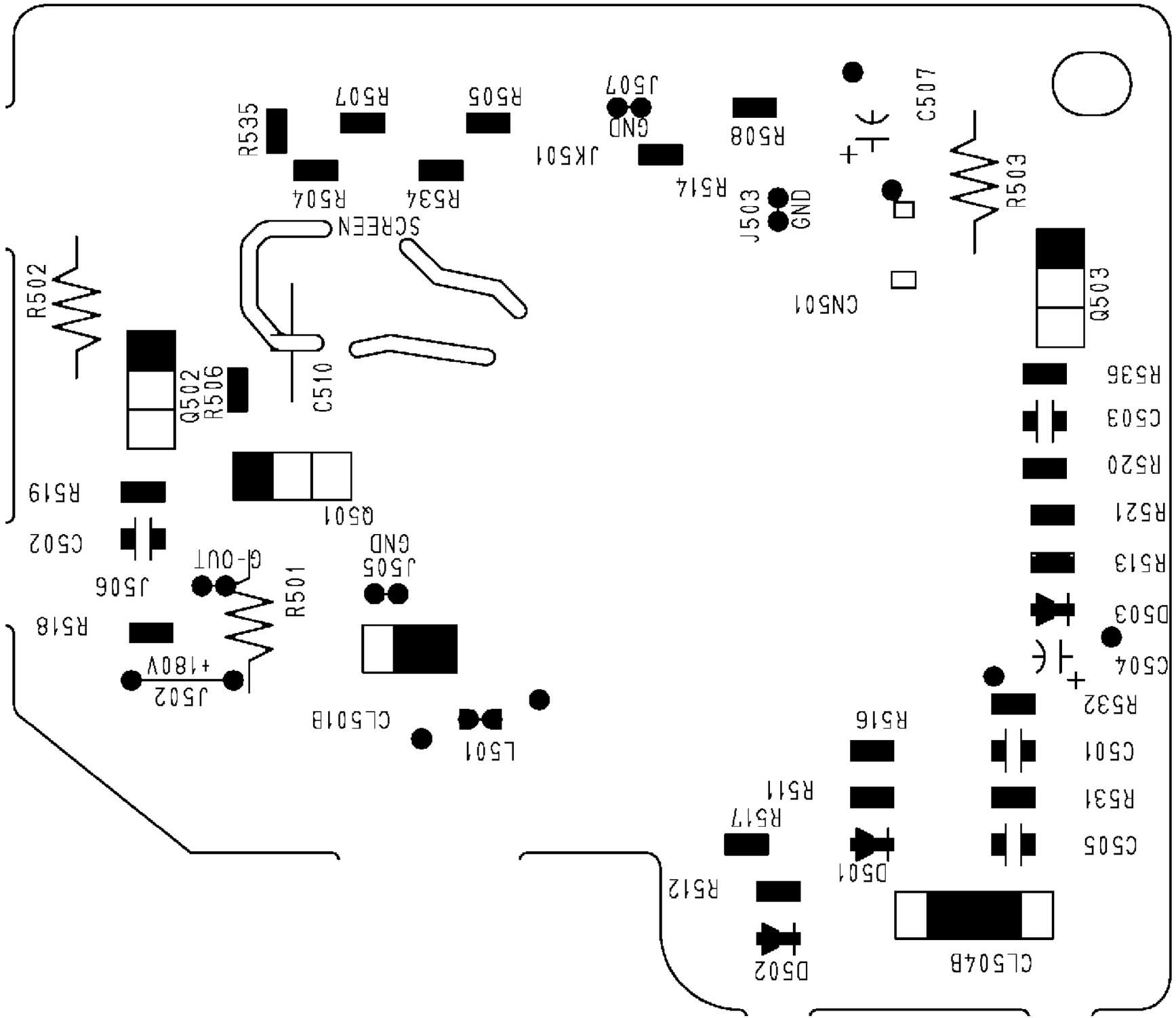


USED ONLY IN MODELS: CCA134AT01, CCA194AT31 (5866) - HV CBA (TOP)

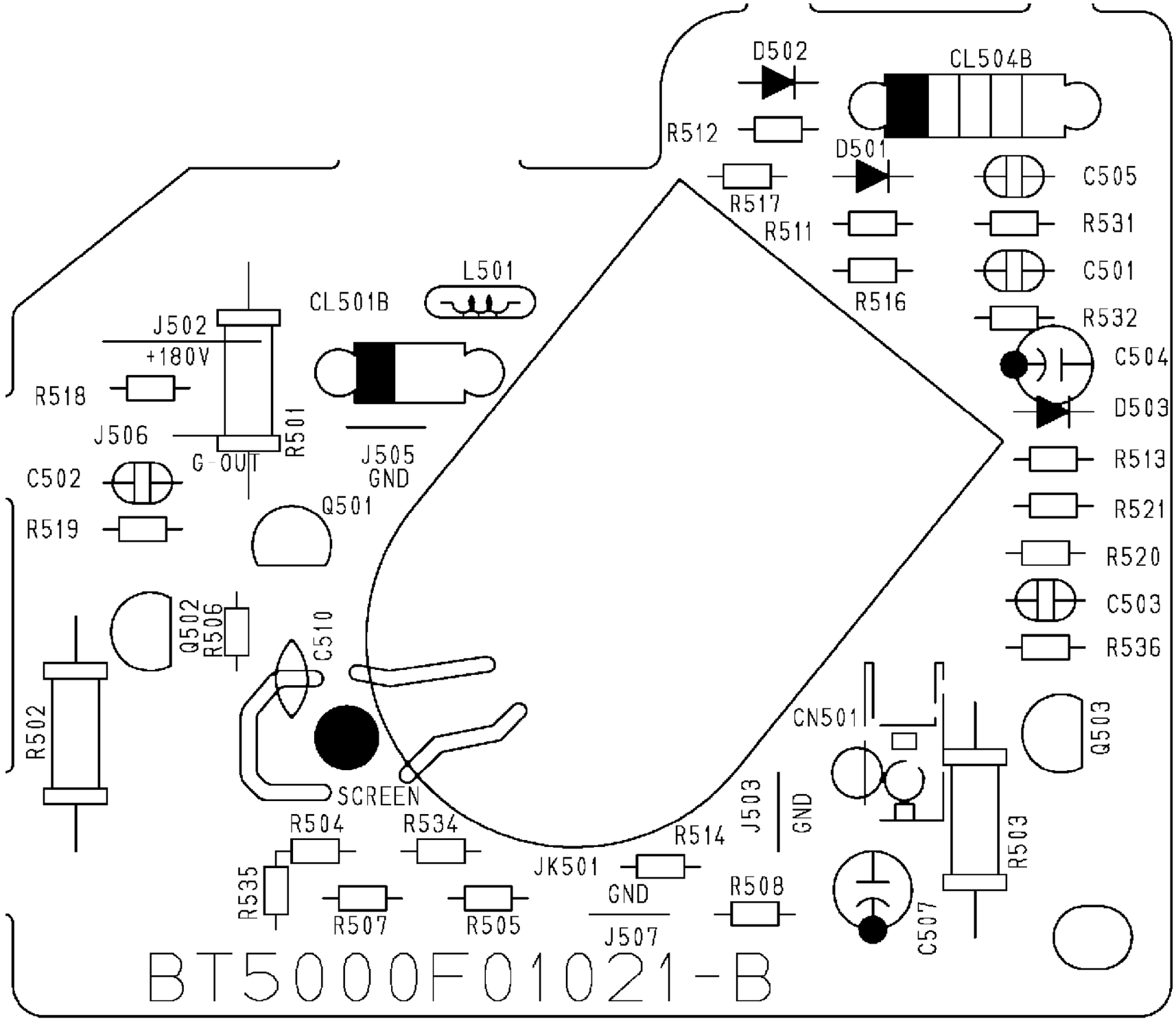


USED ONLY IN MODELS: CCA134AT01, CCA194AT31 (5866) - HV CBA (BOTTOM)

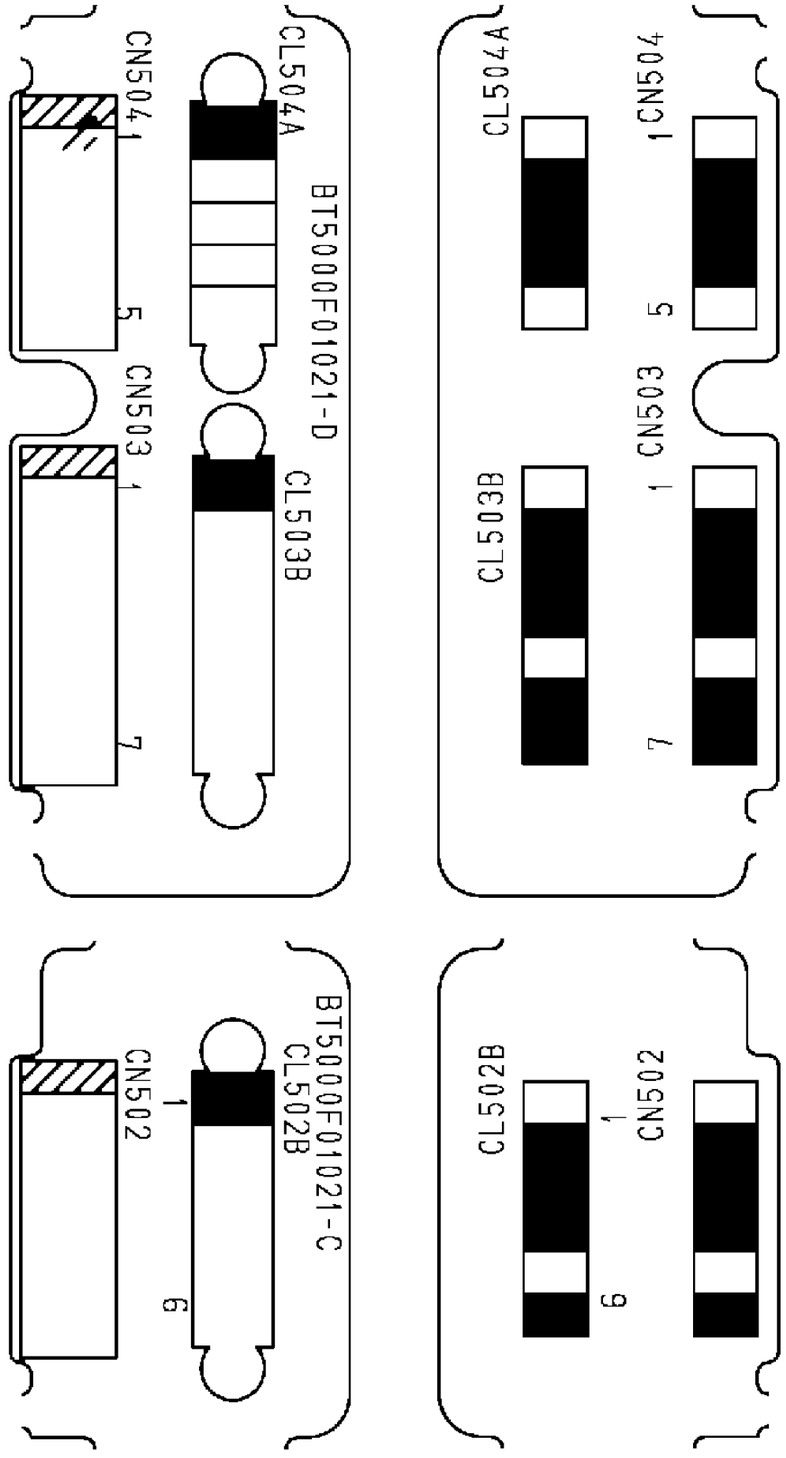
USED ONLY IN MODELS: CCA134AT01, CCA194AT31 (5866) - CRT CBA (TOP)



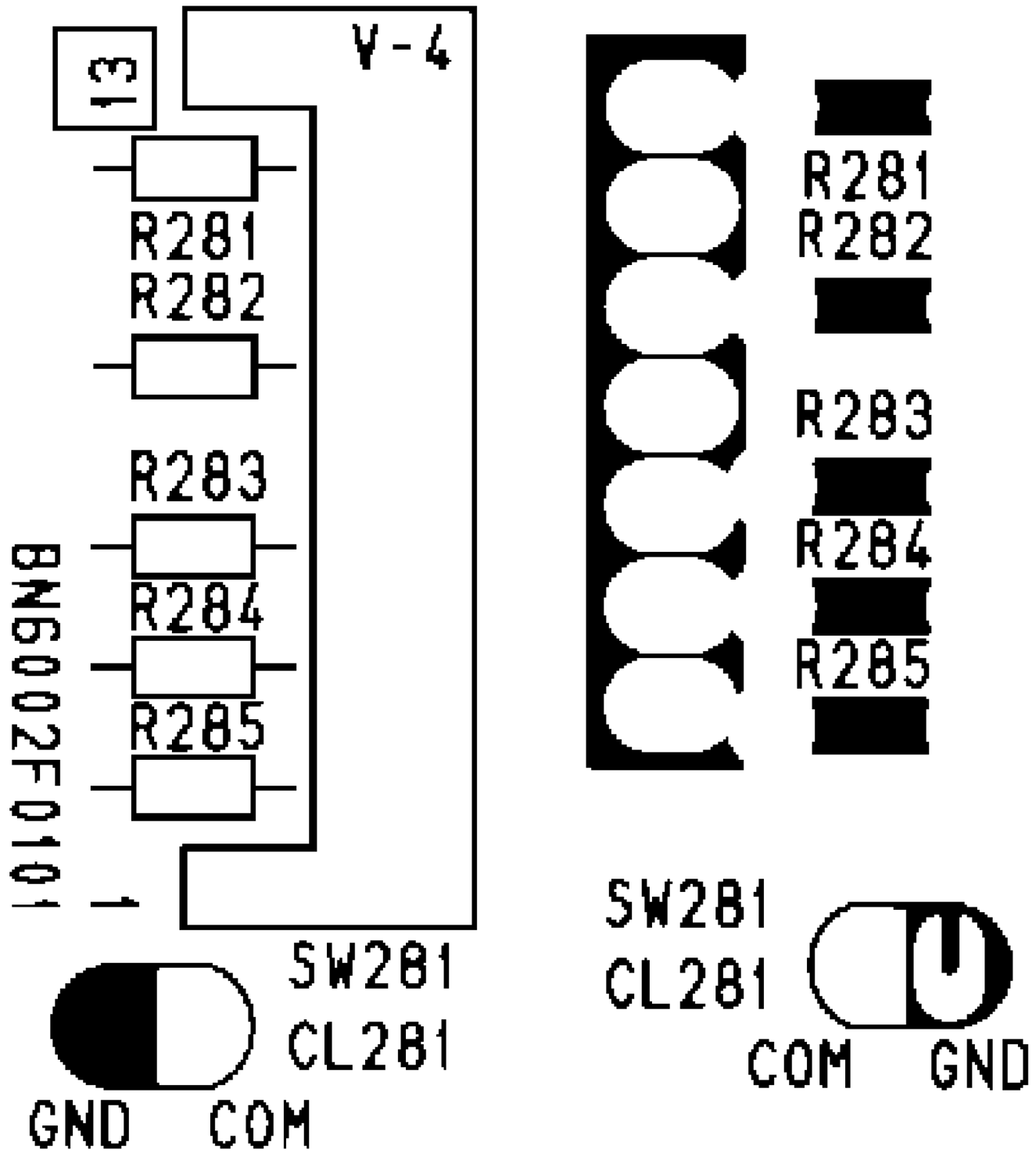
USED ONLY IN MODELS: CCA134AT01, CCA194AT31 (5866) - CRT CBA (BOTTOM)



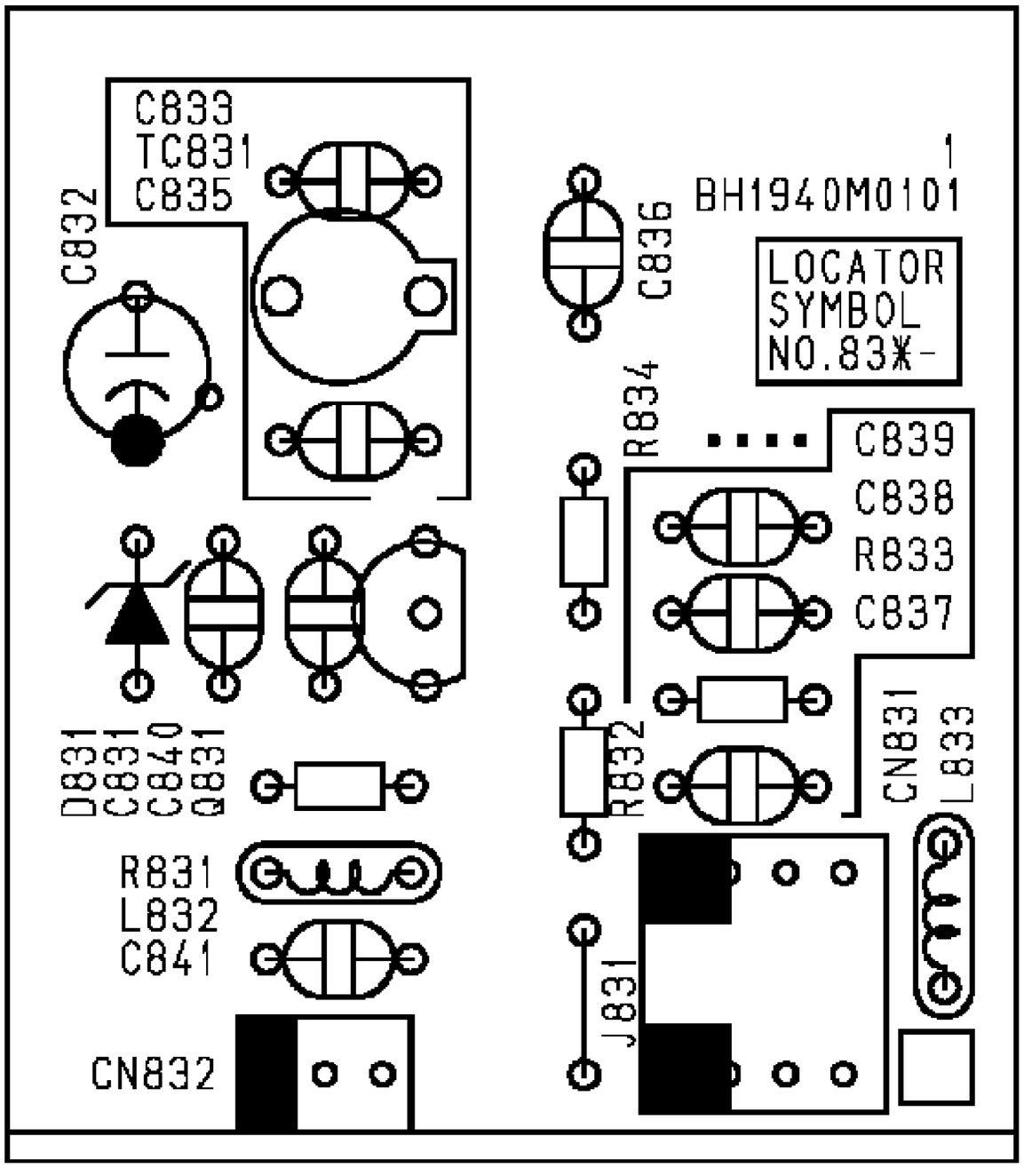
USED ONLY IN MODELS: CCA134AT01, CCA194AT31 (5866) - JUNCTION CBA (TOP & BOTTOM)

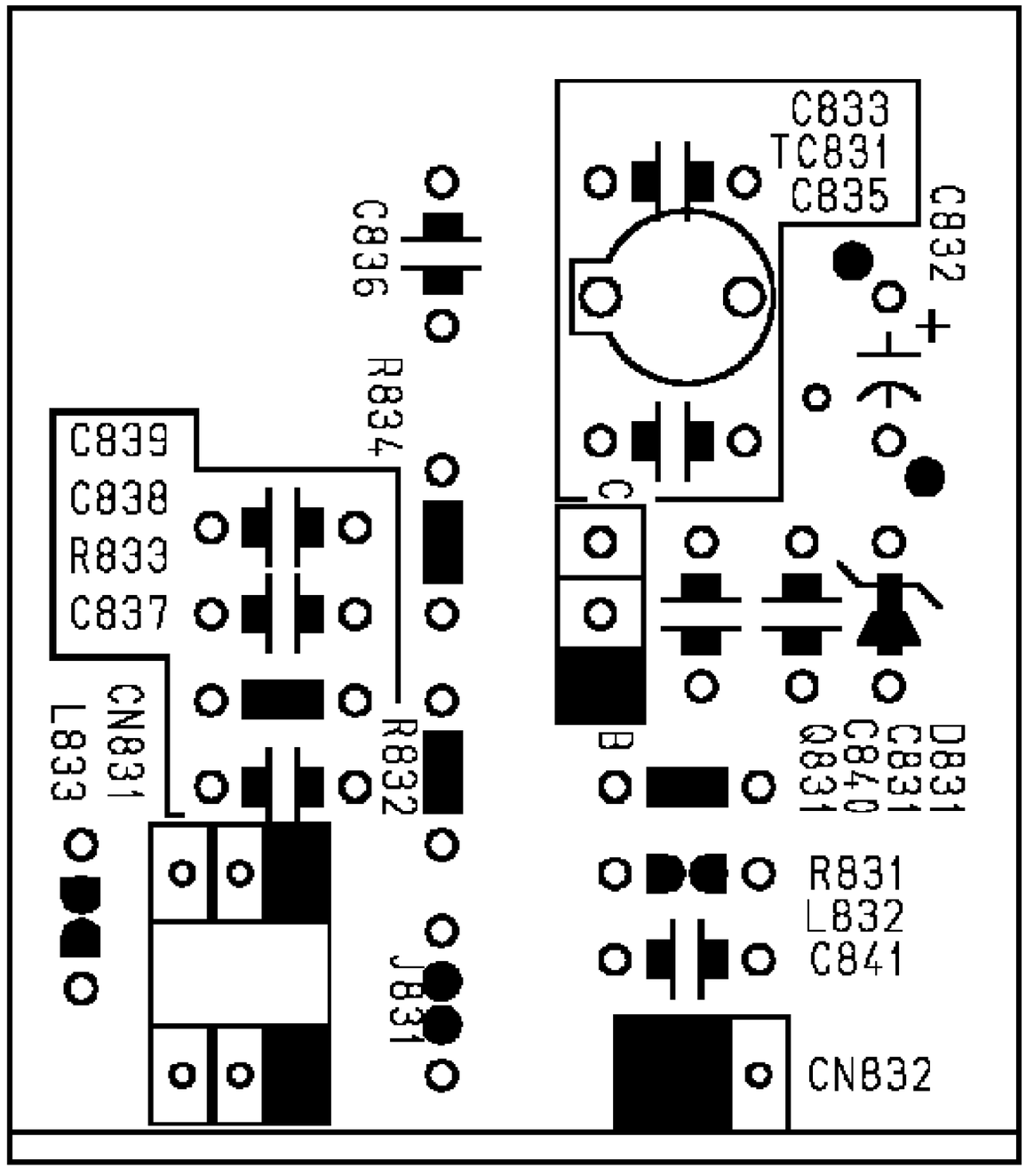


USED ONLY IN MODELS: CCA134AT01, CCA194AT31 (5866) - MODE SWITCH CBA (TOP/BOTTOM)



USED ONLY IN MODELS: CCA134AT01, CCA194AT31 (5866) - REMOTE LOCATOR CBA (TOP & BOTTOM)





WIRING DIAGRAM

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

ANODE
CRT
GND
CN501
FOCUS
SCREEN
CRT CBA BT4000F01031-B
CL504B
CL501B: HEATER, GND, P-ON+180V

SP801 SPEAKER
CN802: 1 SP, 2 SP-GND

JUNCTION A CBA BT4000F01031-D
CL504A CN504 CN304: GND, +8V, RED, GREEN, BLUE

CL501A: HEATER, GND, P-ON+180V
T571 FBT
CL503A CL503B CN503 CN303: AFC, H-DRIVE, ACL, GND, P-SAFETY 1, V-DRIVE, V-RAMP-NF

D.Y.
HD
VD
CN571
H.V. CBA BT4000F01031-A
CL502A: GND, GND, DEF+B, NU, +B, +B

JUNCTION C CBA BT4000F01031-C
CN502 CL502B CL1602: GND, GND, DEF+B, NU, +B, +B

CN1601
POWER SUPPLY CBA BT4000F01021-A
JK1951 DC INLET
JK1601
W1601 AC CORD
WH1951 WH1952 CN1953 CN603: AUTO-CLOCK, NU, SAFETY, P-ON-H, M-GND, AL+12V, AL+9V, P-ON+12V, P-ON+9V, P-ON+8V, GND, GND, AL+33V, GND, GND

JUNCTION B CBA BT4000F01021-B

MAIN CBA BT4000F01012

(NO CONNECTION)
CN301 IS USED FOR ADJUSTMENT AT FACTORY
CN301: 1 INT.MONITOR, 2 BUS-OPEN, 3 GND, 4 SDA, 5 SCL

DEW SENSOR
CN991: DEW SENSOR, GND

CN202: C-F/R, AL+5V, AL+12V, C-FG, LD-SW, C-CONT, FG GND, CM GMD

CN851: AI +5V, S-GND, D-PG, AL+12V, D-FG, M-GND, D-CONT, NU, LD-M(+), LD-M(-), NU, AE-H, AE-H/FE-H, A-COM, A-PB/REC, CTL(+), CTL(-)

CN471: V(L), V-COM, NU, V(R)

CN852: FE-H, FE-H GND

WIRING DIAGRAM FOR SECTION 2 (DECK MECHANISM)

CAPSTAN MOTOR UNIT
MODE SW CBA BN6002F01011
SW281 MODE SWITCH

DRUM MOTOR UNIT

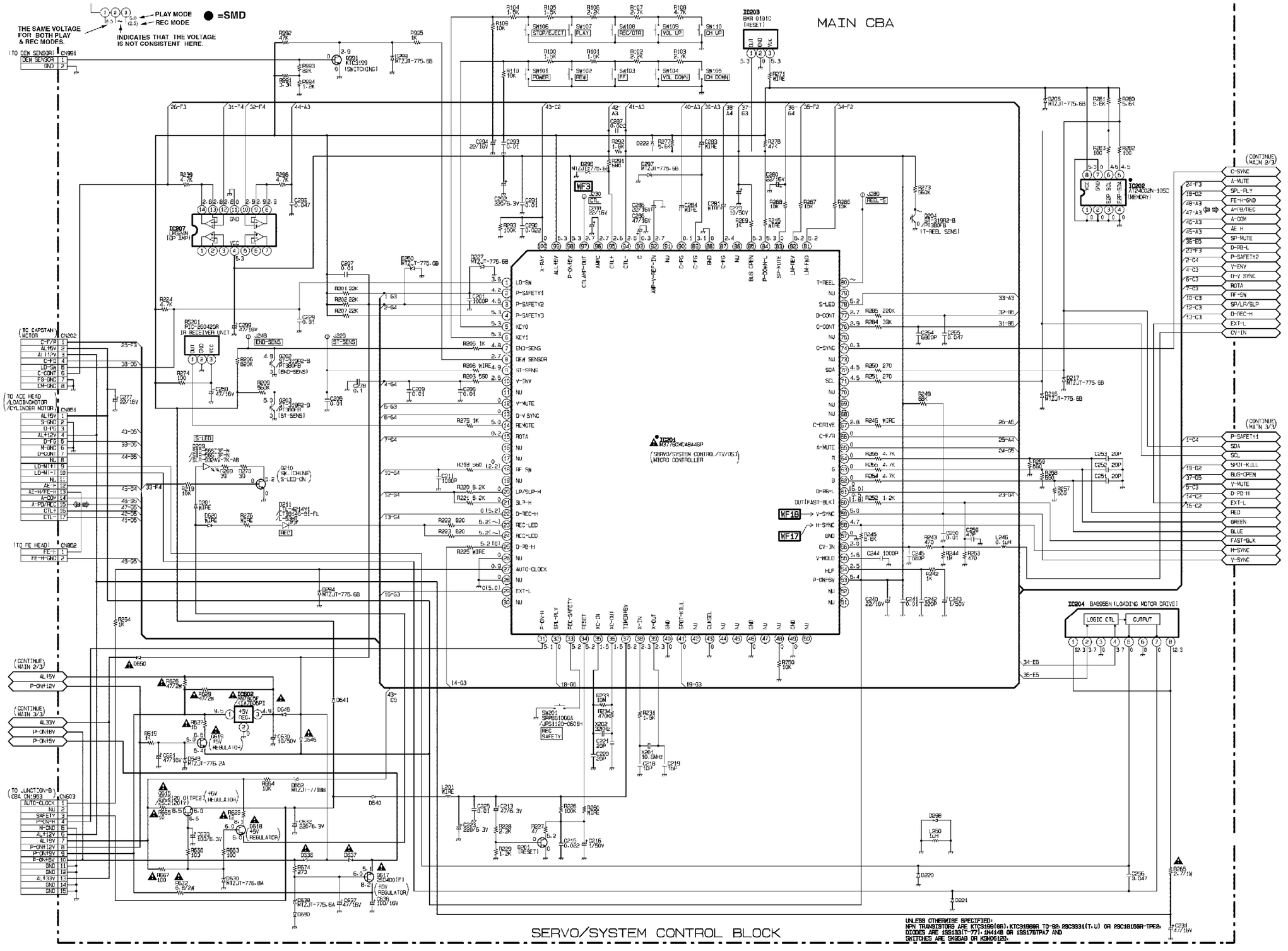
LOADING MOTOR UNIT
LOADING MOTOR
M

CN287
AUDIO ERASE HEAD
AUDIO HEAD
CONTROL HEAD
ACE HEAD UNIT

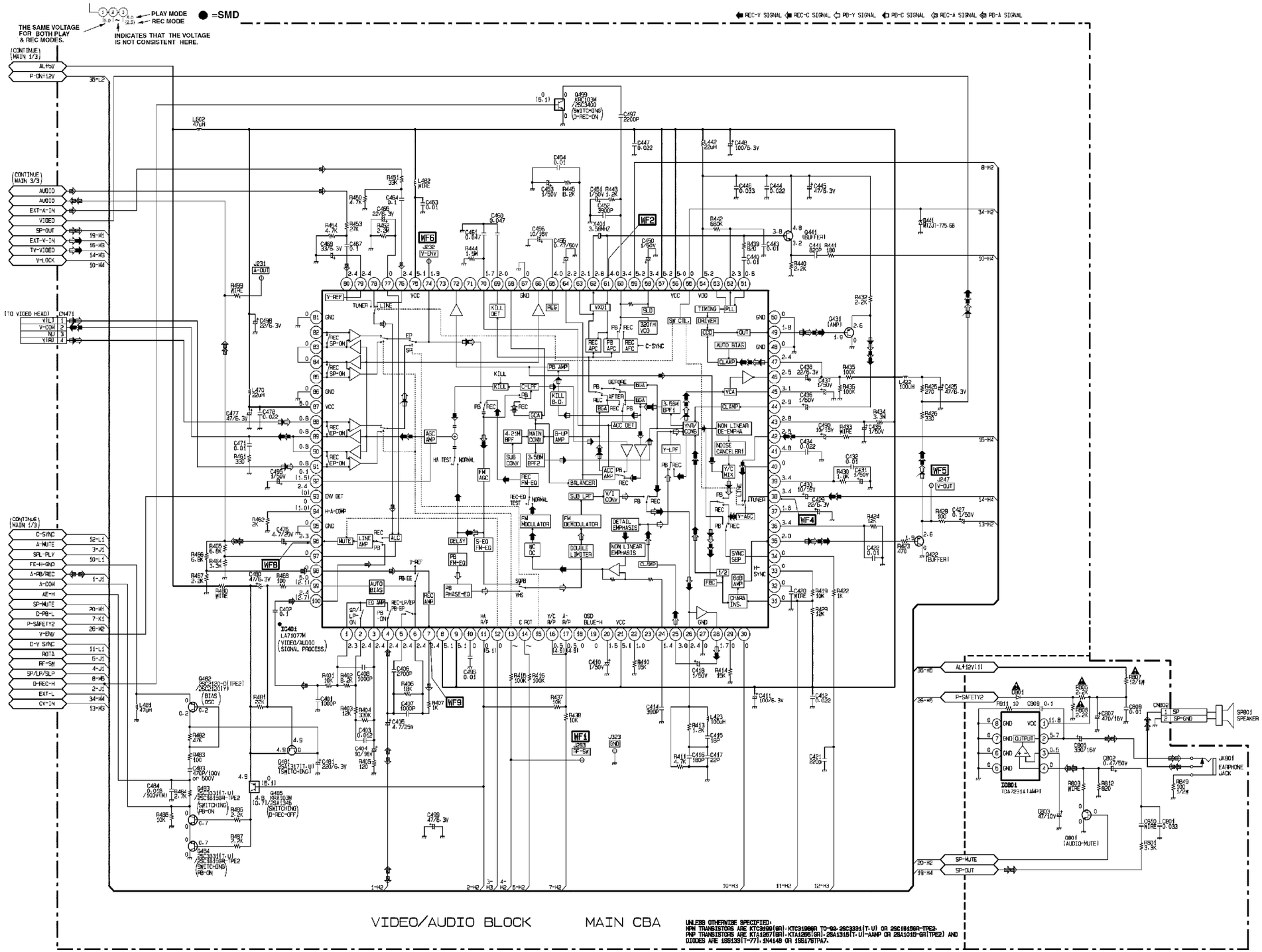
VIDEO L HEAD
VIDEO R HEAD

FE HEAD UNIT
FULL ERASE HEAD

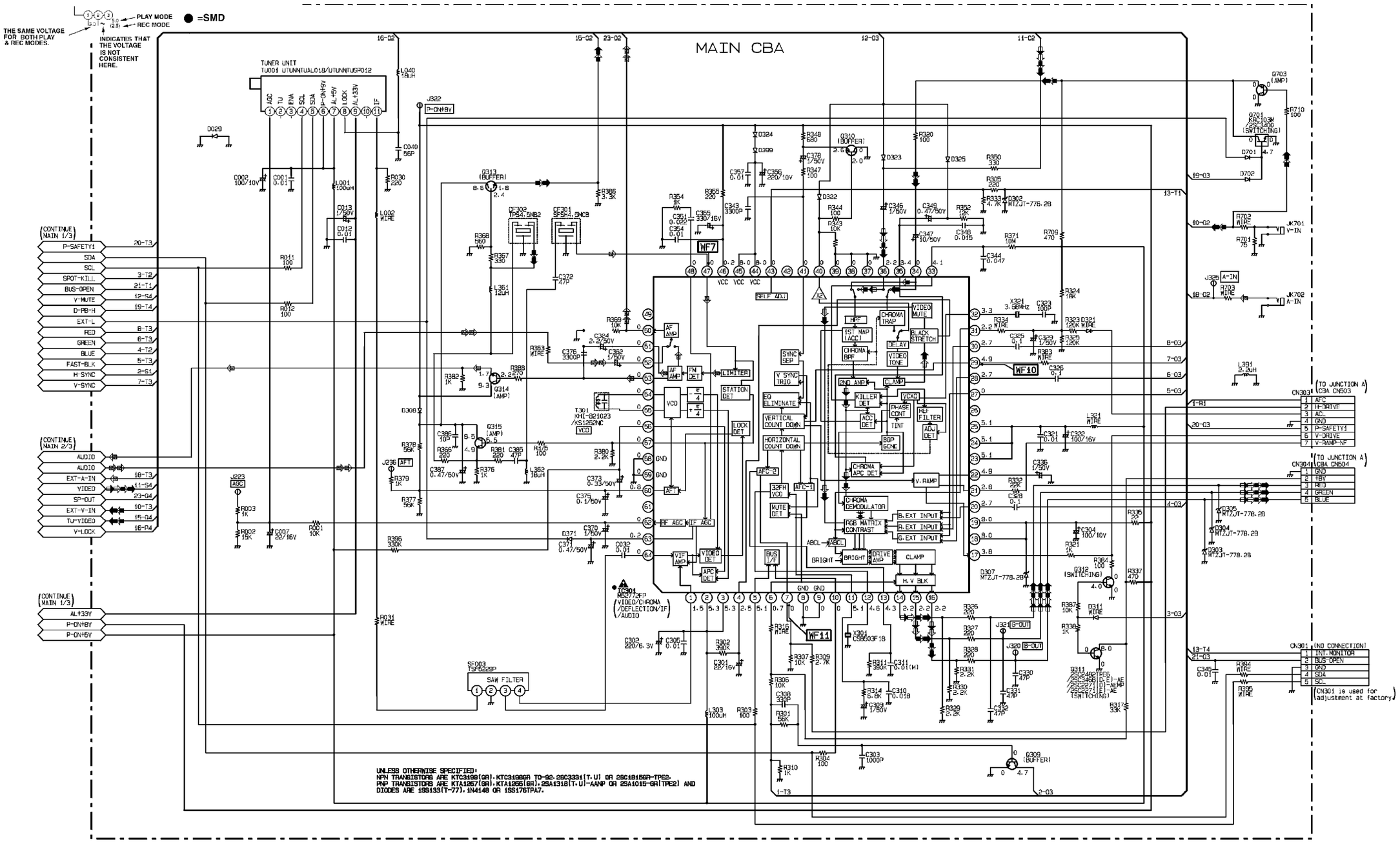
USED ONLY IN MODELS: CCA092AT01 (5866) - MAIN 1/3 SCHEMATIC


MAIN CBA
PLAY MODE
REC MODE
=SMD
THE SAME VOLTAGE FOR BOTH PLAY & REC MODES.
INDICATES THAT THE VOLTAGE IS NOT CONSISTENT HERE.
IC203 BA9101C (RESET)
IC201 R5F7360MCABA4GP (SERVO/SYSTEM CONTROL/TV/DSP) (MICRO CONTROLLER)
IC202 AT24C02N-10SC (MEMORY)
IC204 BA6398N (LOADING MOTOR DRIVE)
IC207 TA8428N (SP AMP)
IC602 AN78L06F (STA6106P1)
(TO DEW SENSOR) CN951
(TO CAPSTAN MOTOR) CN202
(TO ACE HEAD /LOADINGMOTOR /CYLINDER MOTOR) CN951
(TO FE HEAD) CN852
(TO JUNCTION-B) CBA CN953
(CONTINUE MAIN 2/3)
(CONTINUE MAIN 3/3)
SERVO/SYSTEM CONTROL BLOCK
UNLESS OTHERWISE SPECIFIED:
NPN TRANSISTORS ARE KTC3198(GR), KTC3198BA TO-92, 2SC3331(T,U) OR 2SC1815GR-TPE2,
DIODES ARE 1SS133(T-77), 1N4148 OR 1SS176TPA7 AND
SWITCHES ARE SKRAB OR KSM6125.

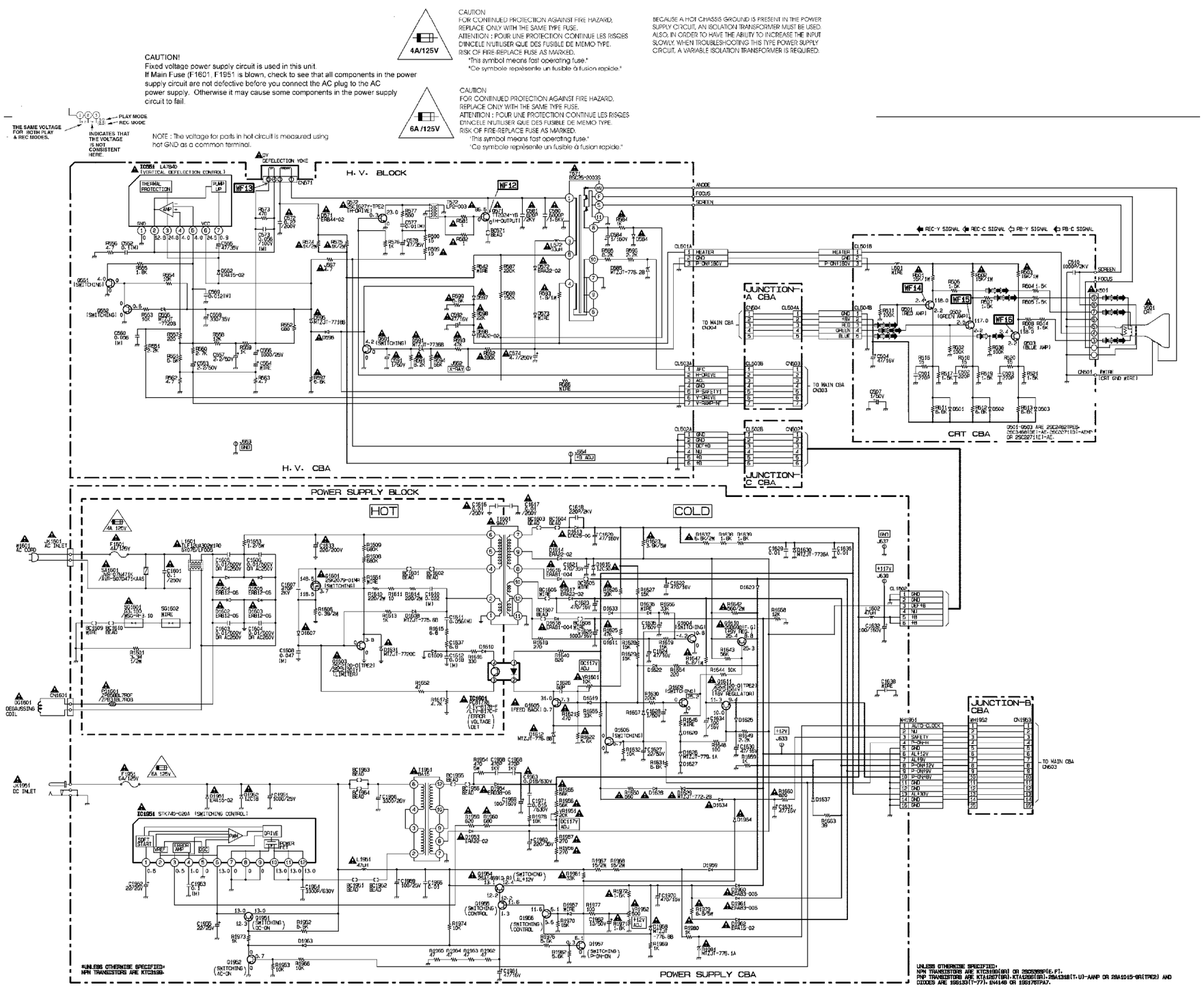
USED ONLY IN MODELS: CCA092AT01 (5866) - MAIN 2/3 SCHEMATIC



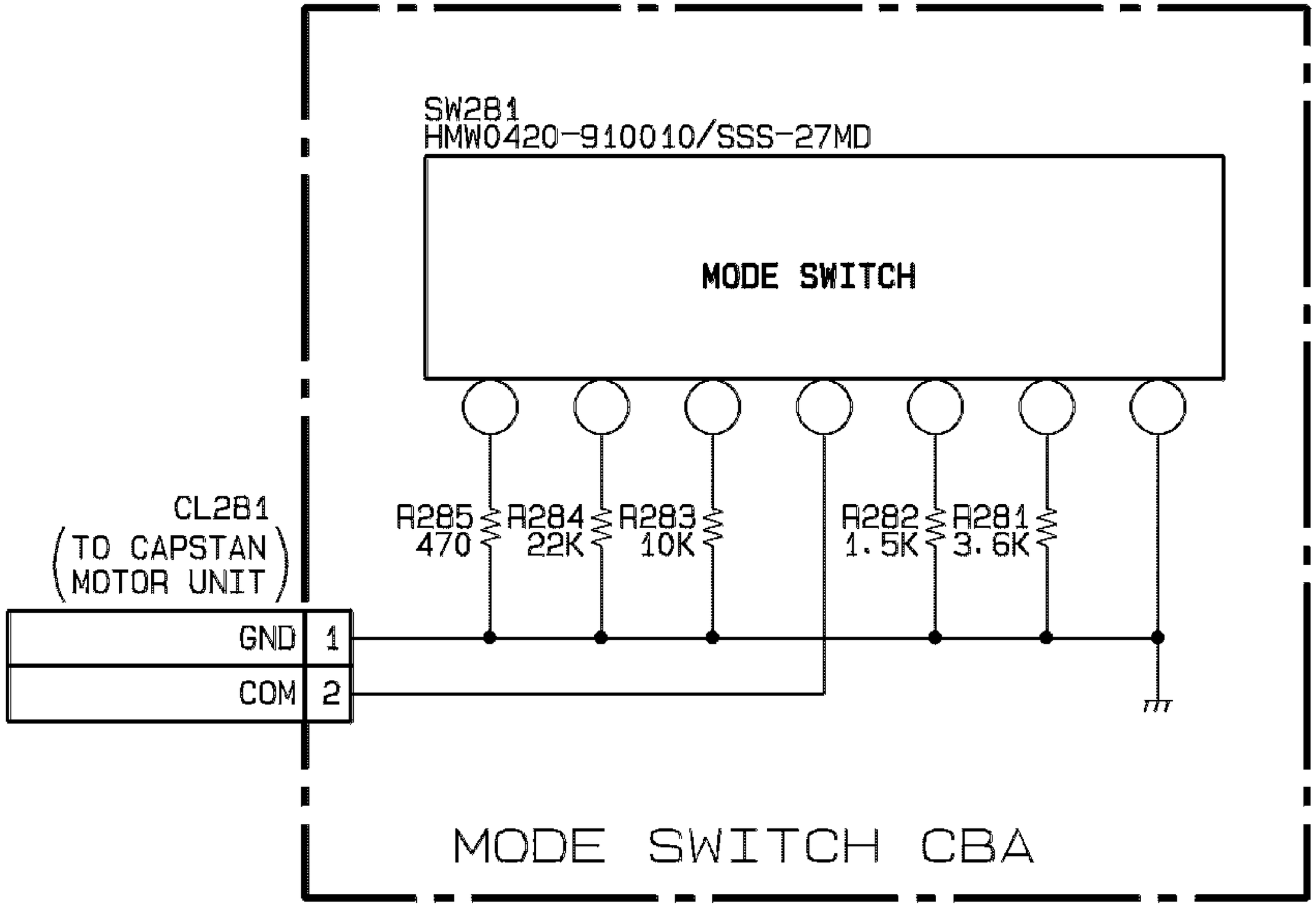
USED ONLY IN MODELS: CCA092AT01 (5866) - MAIN 3/3 SCHEMATIC



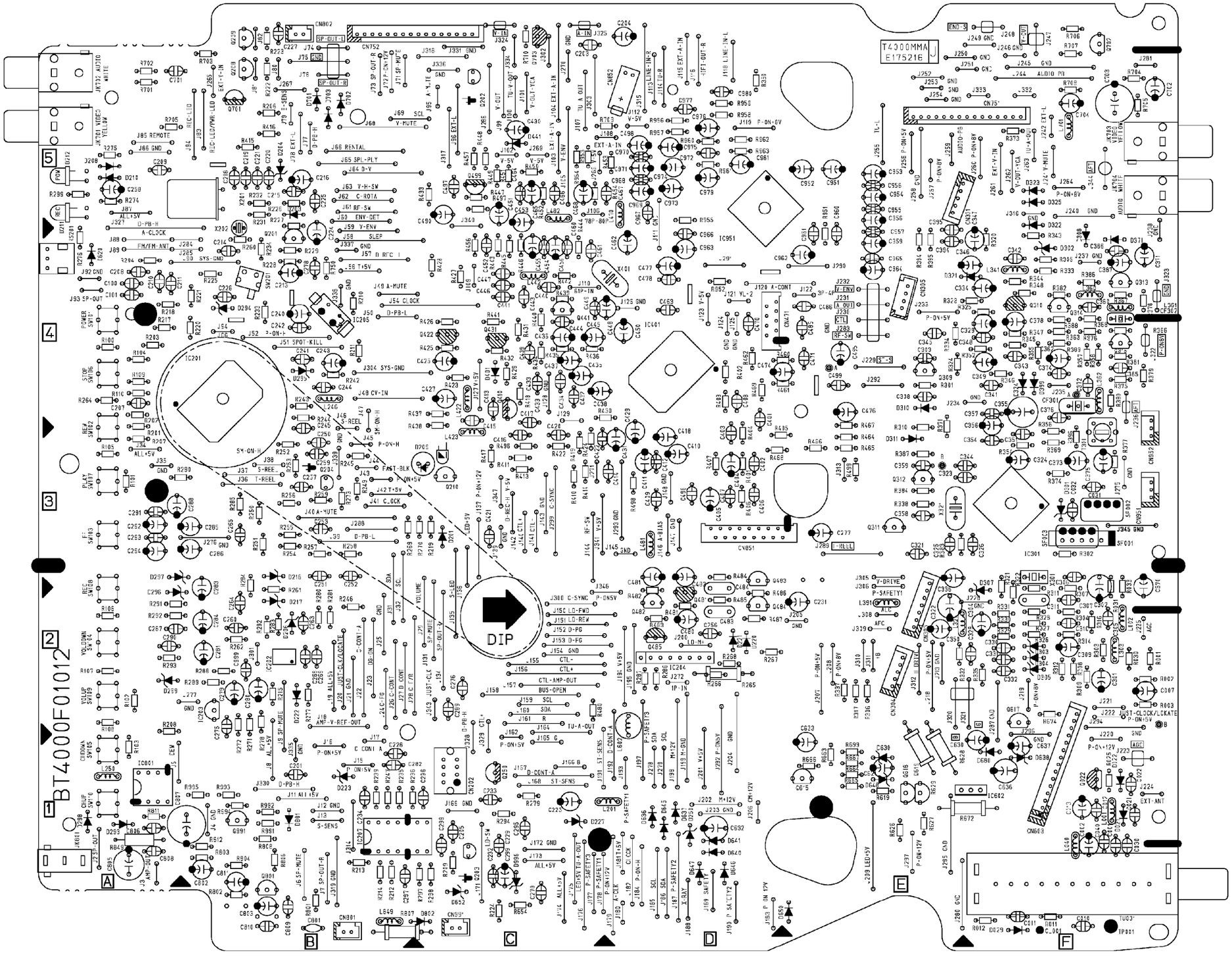
USED ONLY IN MODELS: CCA092AT01 (5866) - POWER SUPPLY/H.V./CRT SCHEMATIC


4A/125V
CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE.
ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQES D'INCELE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE.
RISK OF FIRE-REPLACE FUSE AS MARKED.
"This symbol means fast operating fuse."
"Ce symbole représente un fusible à fusion rapide."
BECAUSE A HOT CHASSIS GROUND IS PRESENT IN THE POWER SUPPLY CIRCUIT, AN ISOLATION TRANSFORMER MUST BE USED. ALSO, IN ORDER TO HAVE THE ABILITY TO INCREASE THE INPUT SLOWLY, WHEN TROUBLESHOOTING THIS TYPE POWER SUPPLY CIRCUIT, A VARIABLE ISOLATION TRANSFORMER IS REQUIRED.
6A /125V
CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE.
ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQES D'INCELE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE.
RISK OF FIRE-REPLACE FUSE AS MARKED.
"This symbol means fast operating fuse."
"Ce symbole représente un fusible à fusion rapide."
CAUTION!
Fixed voltage power supply circuit is used in this unit.
If Main Fuse (F1601, F1951 is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.
PLAY MODE
REC MODE
THE SAME VOLTAGE FOR BOTH PLAY & REC MODES.
INDICATES THAT THE VOLTAGE IS NOT CONSISTENT HERE.
NOTE : The voltage for parts in hot circuit is measured using hot GND as a common terminal.
H. V. BLOCK
H. V. CBA
POWER SUPPLY BLOCK
HOT
COLD
POWER SUPPLY CBA
CRT CBA
JUNCTION-A CBA
JUNCTION-B CBA
JUNCTION-C CBA
TO MAIN CBA CN604
TO MAIN CBA CN603
TO MAIN CBA CN603
DEFLECTION YOKE
ANODE
FOCUS
SCREEN
REC-Y SIGNAL
REC-C SIGNAL
PB-Y SIGNAL
PB-C SIGNAL
DEGAUSSING COIL
AC INLET
DC INLET
IC1501 LA7845 (VERTICAL DEFLECTION CONTROL)
IC1951 STK7407-020A (SWITCHING CONTROL)
*UNLESS OTHERWISE SPECIFIED, NPN TRANSISTORS ARE KTC3198.
*UNLESS OTHERWISE SPECIFIED, NPN TRANSISTORS ARE KTC3198(GR) OR 2SC3568P(E,F), PNP TRANSISTORS ARE KTA1267(GR),KTA1298(GR)-2SA1318(T-U)-AANP OR 2SA1015-GR(TPE2) AND DIODES ARE 1SS133(T-77), DA4148 OR 1SS176TPA7.

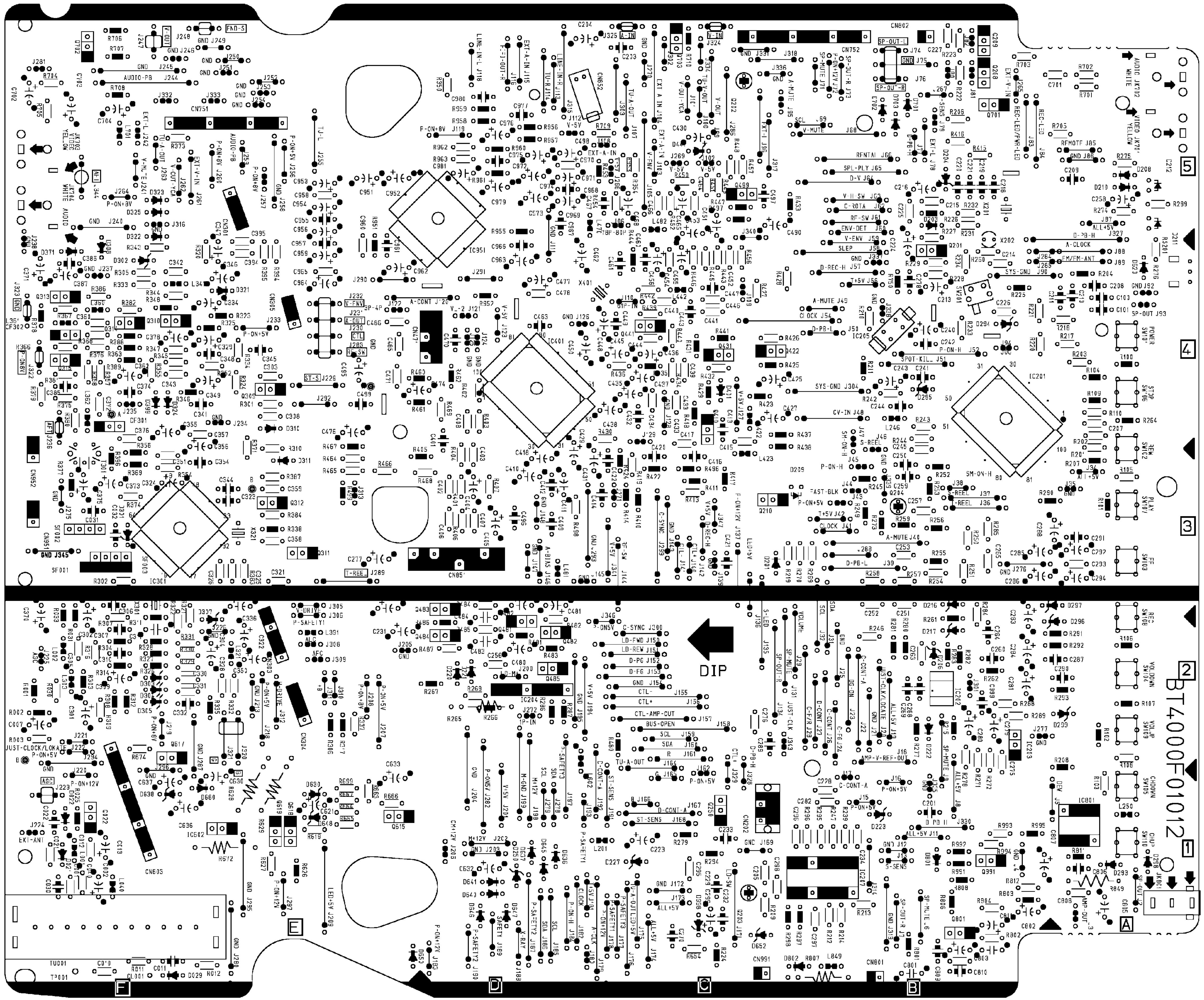
USED ONLY IN MODELS: CCA092AT01 (5866) - MODE SWITCH SCHEMATIC



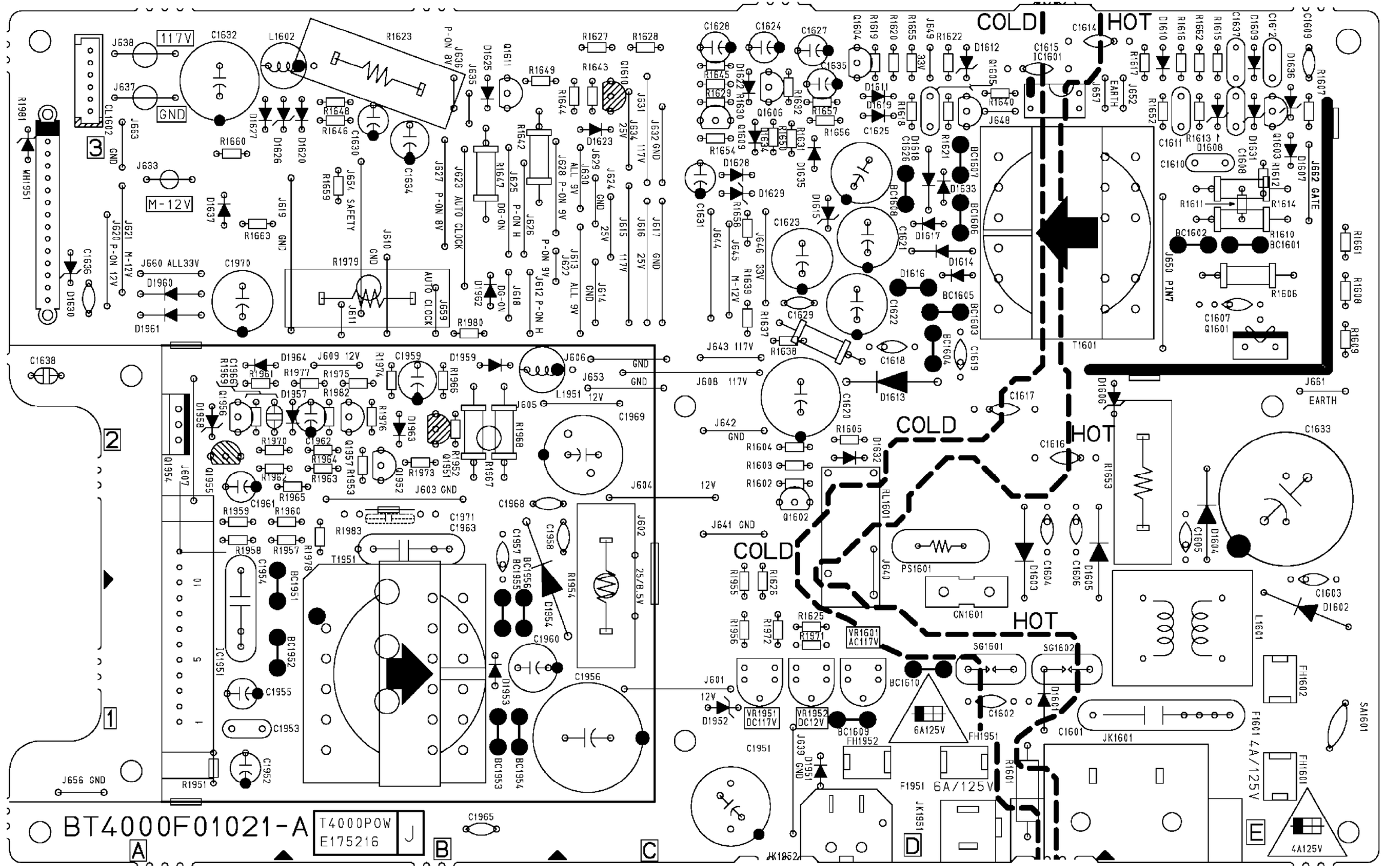
USED ONLY IN MODELS: CCA092AT01 (5866) - MAIN CBA (TOP)



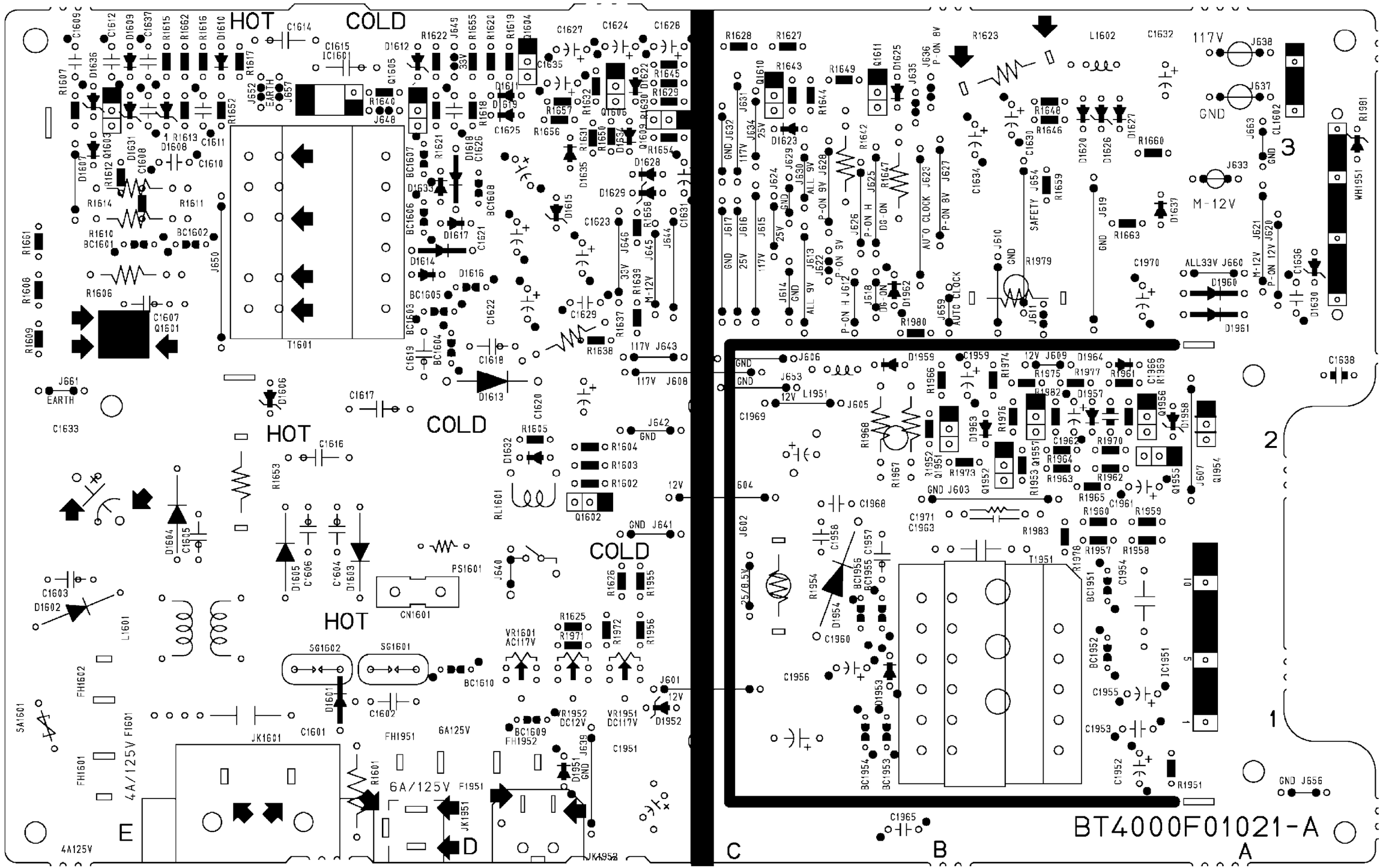
USED ONLY IN MODELS: CCA092AT01 (5866) - MAIN CBA (BOTTOM)


DIP
BT4000F01012
IC201
IC301
IC401
IC951
IC801
CN751
CN802
CN851
CN603
TU001
POWER SW101
STOP SW106
REW SW102
PLAY SW107
FF SW103
REC SW108
VOLDOWN SW104
VOLUP SW109
CHDOWN SW105
CHUP SW110
AUDIO JK702 WHITE
VIDEO JK701 YELLOW
VIDEO JK703 YELLOW
JK704 WHITE AUDIO
1
2
3
4
5
A
B
C
D
E
F

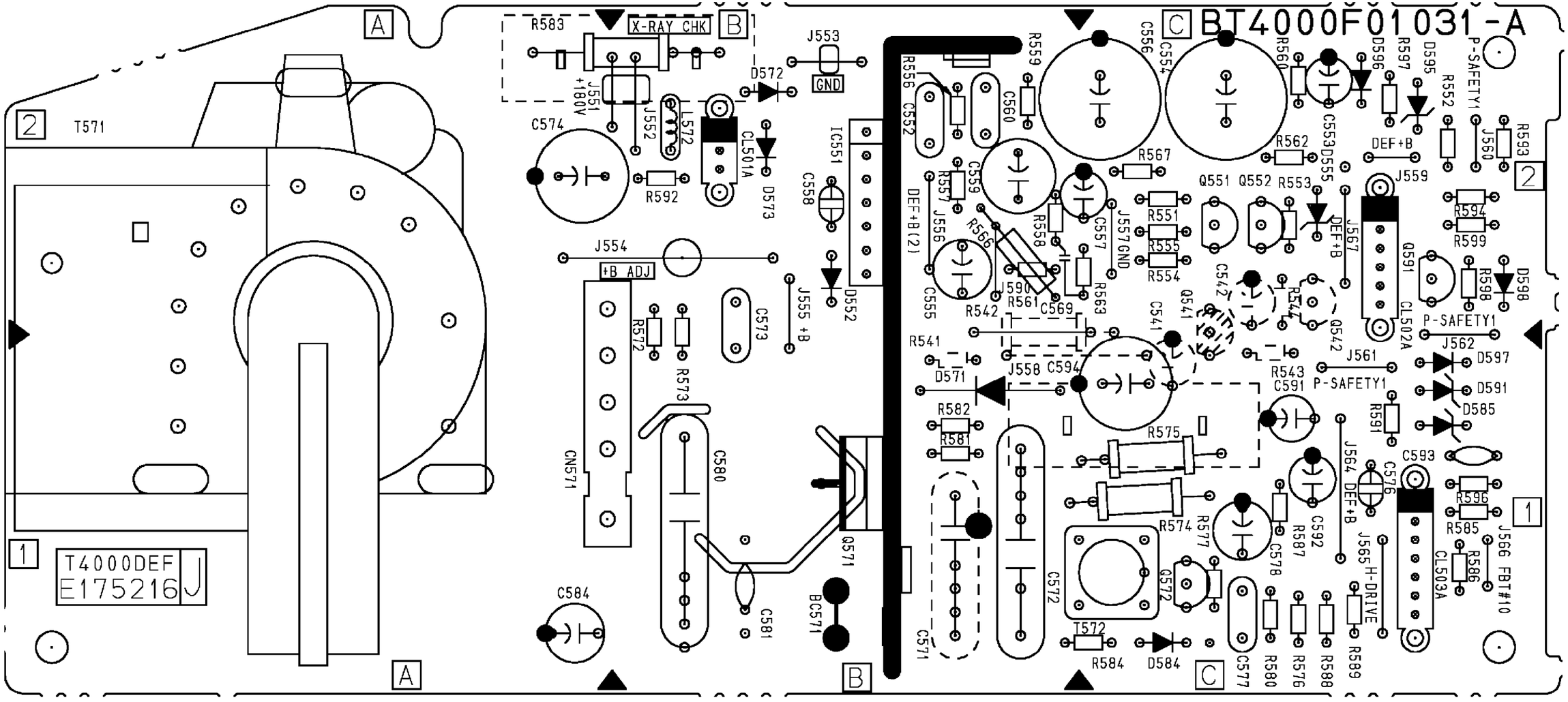
USED ONLY IN MODELS: CCA092AT01 (5866) - POWER SUPPLY CBA (TOP)



USED ONLY IN MODELS: CCA092AT01 (5866) - POWER SUPPLY CBA (BOTTOM)

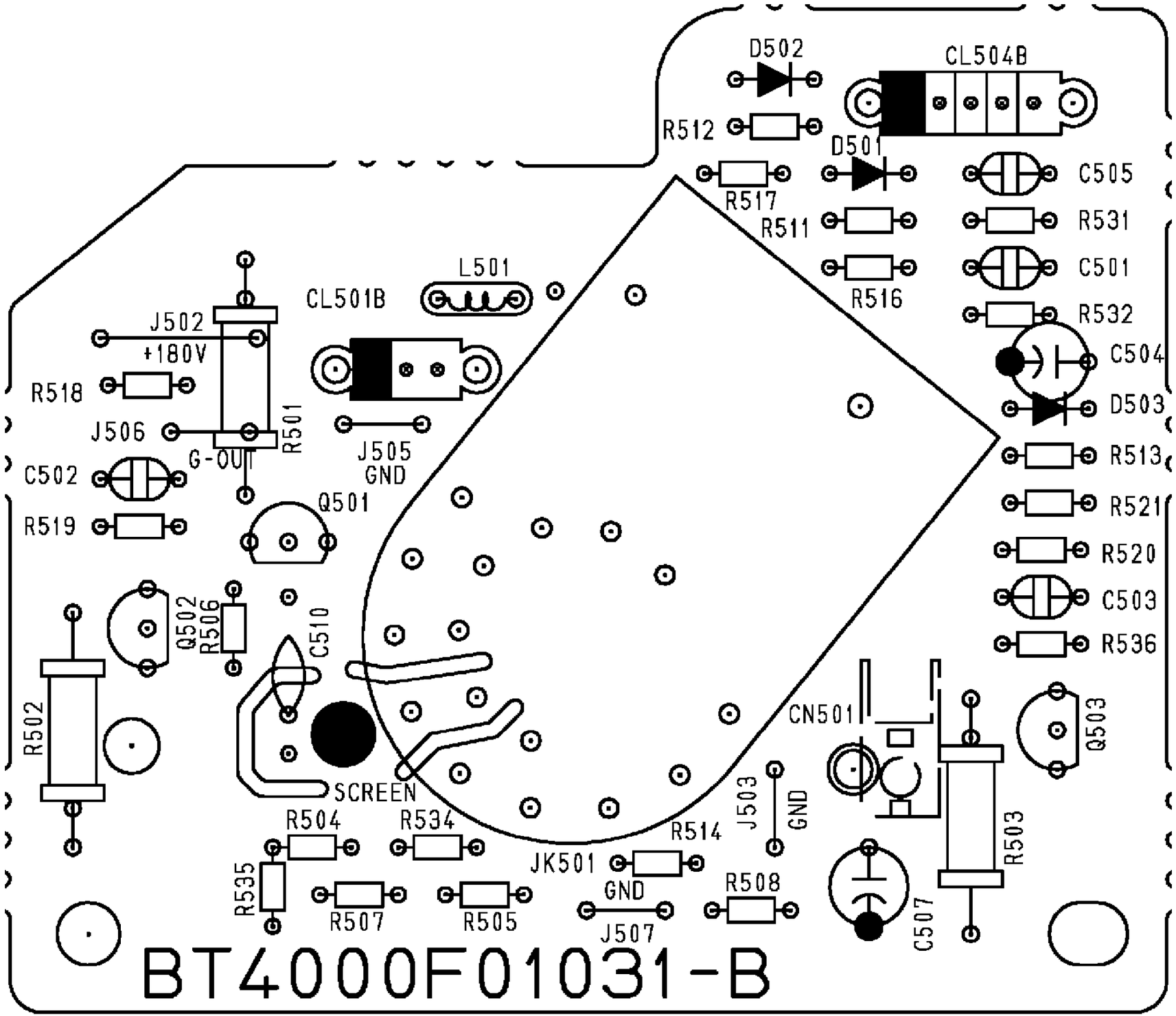


USED ONLY IN MODELS: CCA092AT01 (5866) - HV CBA (TOP)

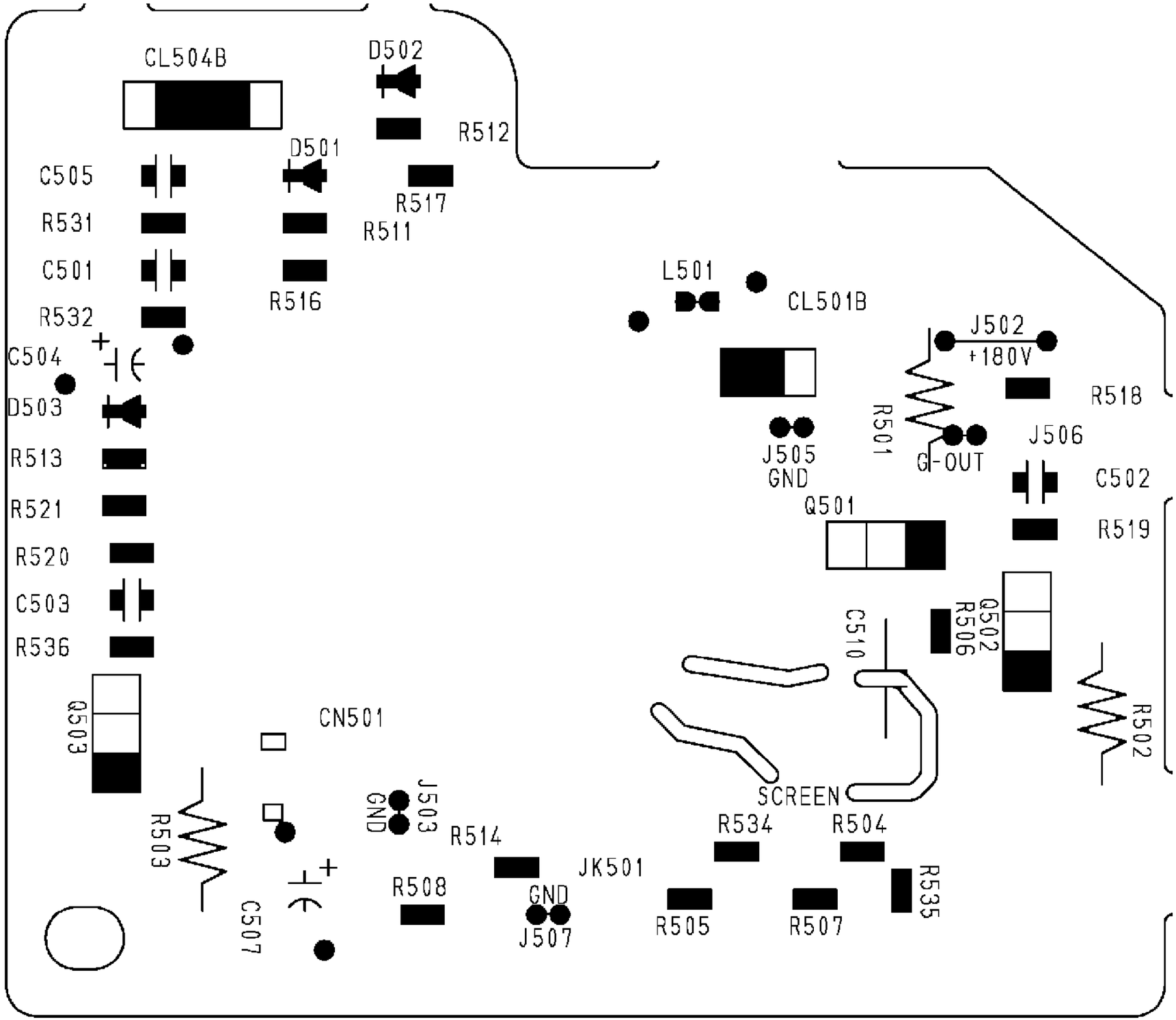


USED ONLY IN MODELS: CCA092AT01 (5866) - HV CBA (BOTTOM)

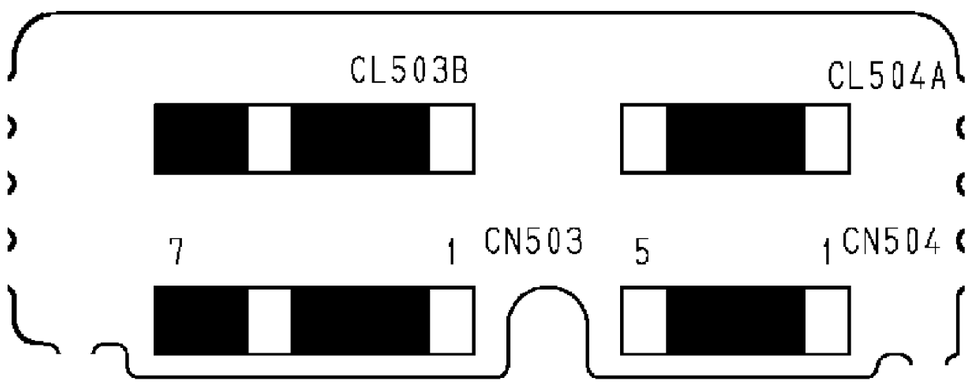
USED ONLY IN MODELS: CCA092AT01 (5866) - CRT CBA (TOP)

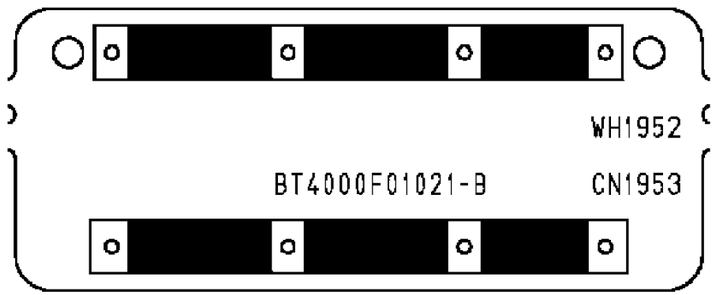


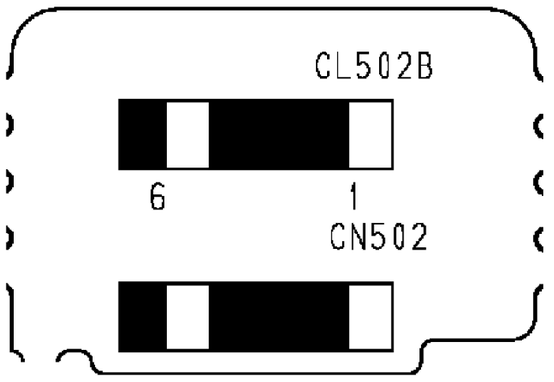
USED ONLY IN MODELS: CCA092AT01 (5866) - CRT CBA (BOTTOM)

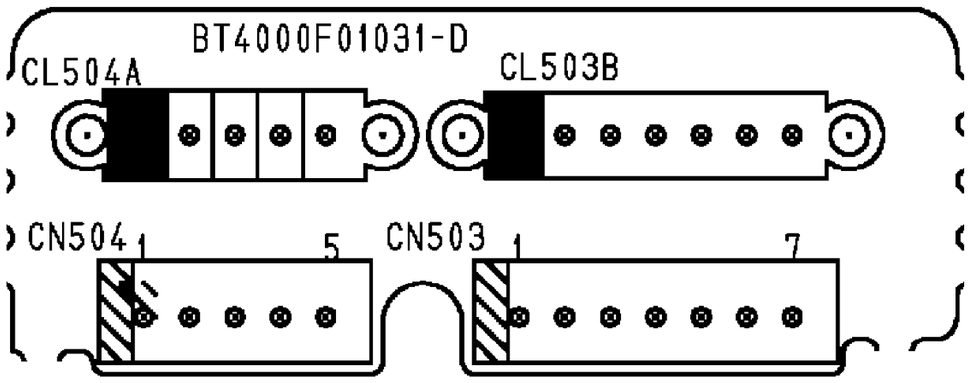


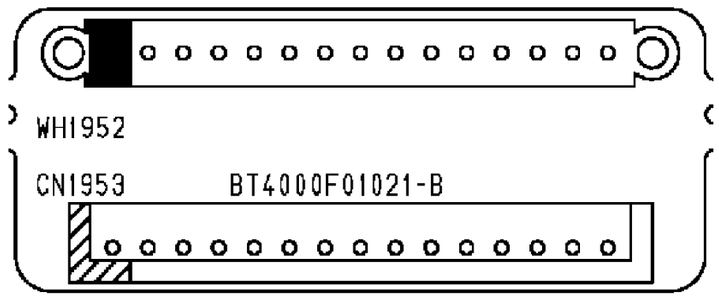
USED ONLY IN MODELS: CCA092AT01 (5866) - JUNCTION CBA (TOP & BOTTOM)

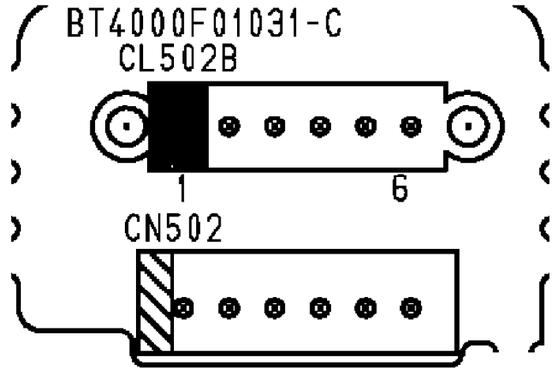




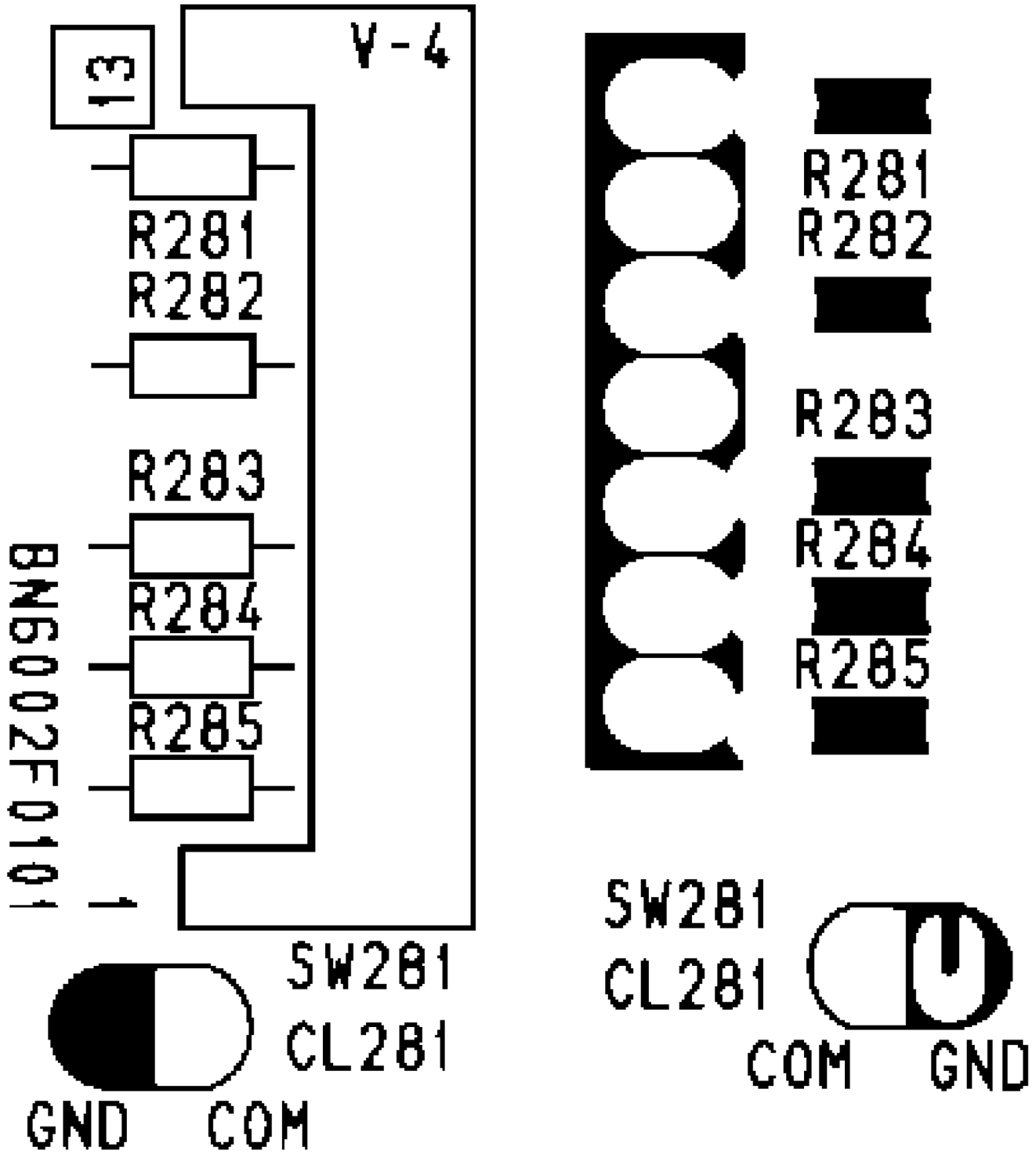








USED ONLY IN MODELS: CCA092AT01 (5866) - MODE SWITCH CBA (TOP & BOTTOM)



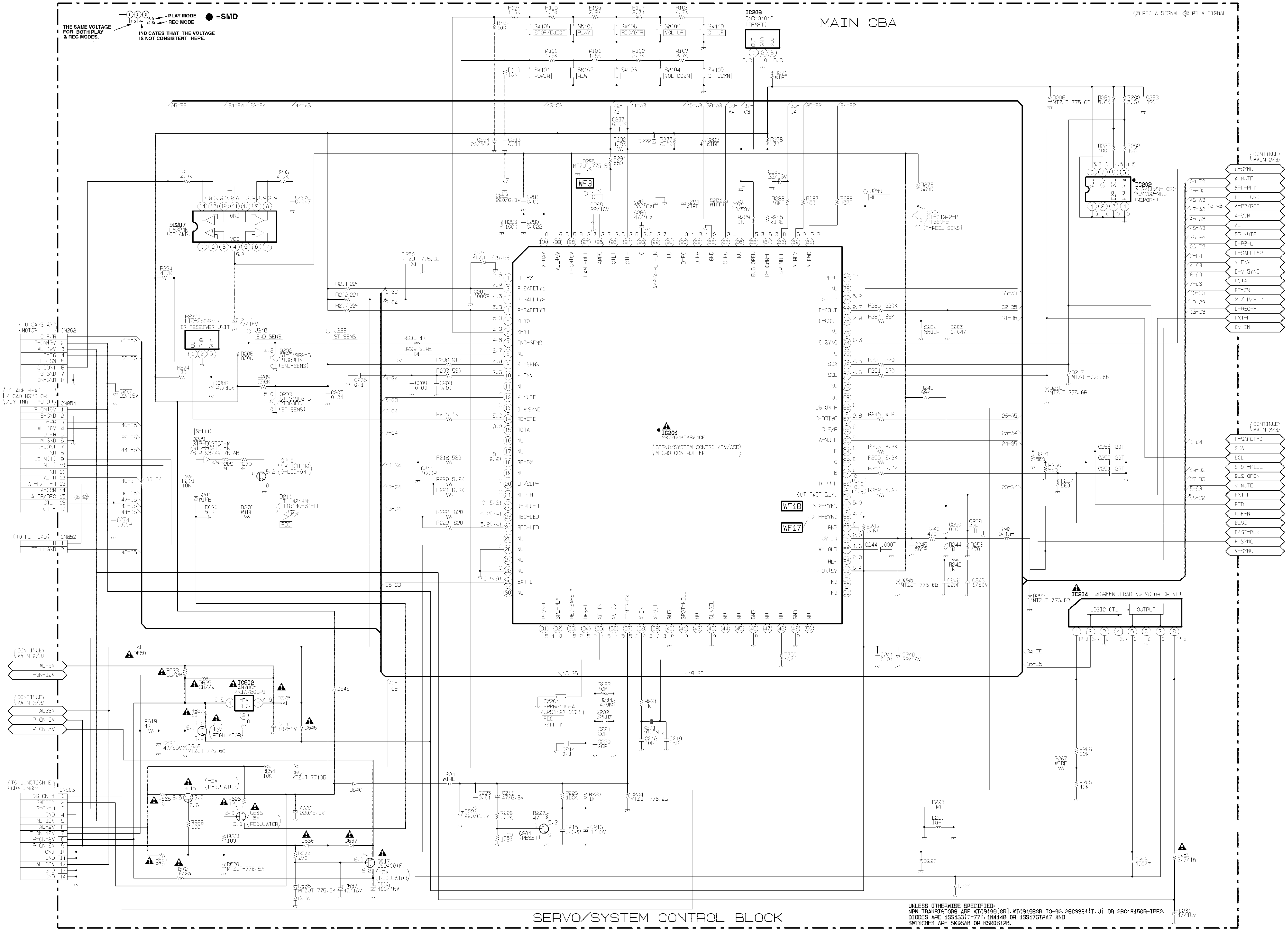
WIRING DIAGRAM

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

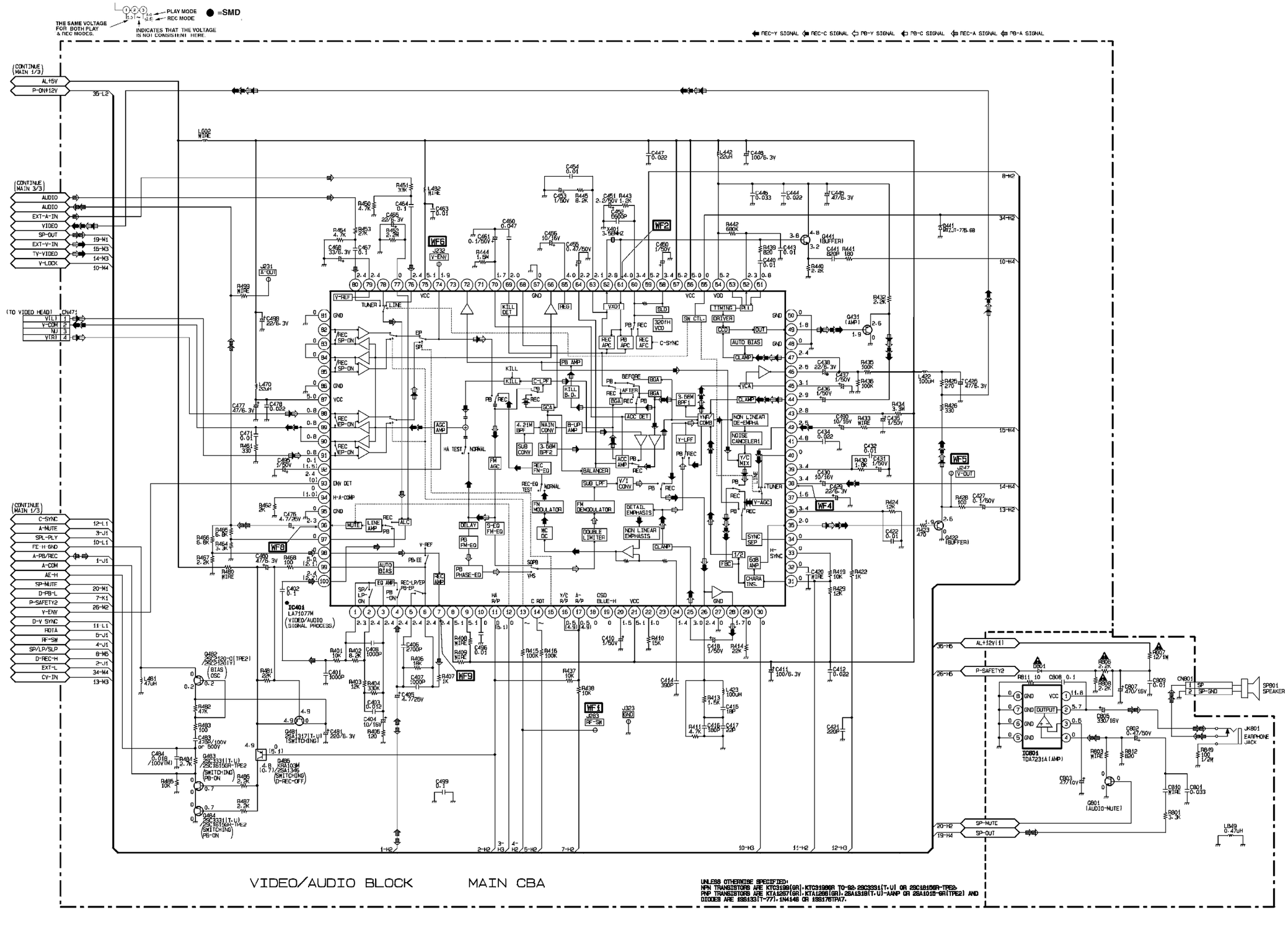
ANODE
CRT
GND
CN501
FOCUS
CRT CBA BT3000F01011-B
SCREEN
CL504A
GND 1
+8V 2
HED 3
GREEN 4
BLUE 5
CL501B
1 HEATER
2 GND
3 P-ON+180V
CL501A
1 HEATER
2 GND
3 P-ON+180V
T571 FBT
CL502A
AFC 1
H-DRIVE 2
ACL 3
GND 4
P-SAFETY 1 5
V-DRIVE 6
V-RAMP-NF 7
D.Y.
HD
VD
CN571
1
2
3
4
5
CN601
W601
AC CORD
SP801
SPEAKER
CN801
1 SP
2 SP-GND
JUNCTION A CBA BT3000F01011-C
CL504B CN504
1 2 3 4 5
CN304
1 GND
2 +8V
3 RED
4 GREEN
5 BLUE
CL502B CN502
1 2 3 4 5 6 7
CN303
1 AFC
2 H-DRIVE
3 ACL
4 GND
5 P-SAFETY 1
6 V-DRIVE
7 V-RAMP-NF
(NO CONNECTION)
CN301 IS USED FOR ADJUSTMENT AT FACTORY
CN301
1 INT.MONITOR
2 BUS-OPEN
3 GND
4 SDA
5 SCL
POWER SUPPLY /H.V. CBA BT3000F01011-A
JUNCTION B CBA BT3000F01011-D
CL603A CL603B CN604
1 DG-ON-H
2 SAFETY
3 P-ON-H
4 M-GND
5 AL+12V
6 AL+9V
7 P-ON+12V
8 P-ON+9V
9 P-ON+8V
10 GND
11 GND
12 AL+33V
13 GND
14 GND
CN603
1 DG-ON-H
2 SAFETY
3 P-ON-H
4 M-GND
5 AL+12V
6 AL+9V
7 P-ON+12V
8 P-ON+9V
9 P-ON+8V
10 GND
11 GND
12 AL+33V
13 GND
14 GND
MAIN CBA BT4000F01012
CN202
C-F/R 1
P-ON+5V 2
AL+12V 3
C-FG 4
LD-SW 5
C-CONT 6
FG GND 7
CM GMD 8
CN851
P-ON+5V 1
S-GND 2
D-PG 3
AL+12V 4
D-FG 5
M-GND 6
D-CONT 7
NU 8
LD-M(+) 9
LD-M(-) 10
NU 11
AE-H 12
AE-H/FE-H 13
A-COM 14
A-PB/REC 15
CTL(+) 16
CTL(-) 17
CN471
V(L) 1
V-COM 2
NU 3
V(R) 4
CN852
FE-H 1
FE-H GND 2

WIRING DIAGRAM FOR SECTION 2 (DECK MECHANISM)
CAPSTAN MOTOR UNIT 1 2 3 4 5 6 7 8
MODE SW CBA BN6002F01011
SW281 MODE SWITCH
DRUM MOTOR UNIT 1 2 3 4 5 6 7
LOADING MOTOR UNIT
LOADING MOTOR
M
CN287
1 AUDIO ERASE HEAD
2
3 AUDIO HEAD
4
5 CONTROL HEAD
6
ACE HEAD UNIT
V(L) VIDEO L HEAD
V-COM
NU
V(R) VIDEO R HEAD
FE HEAD UNIT
FULL ERASE HEAD

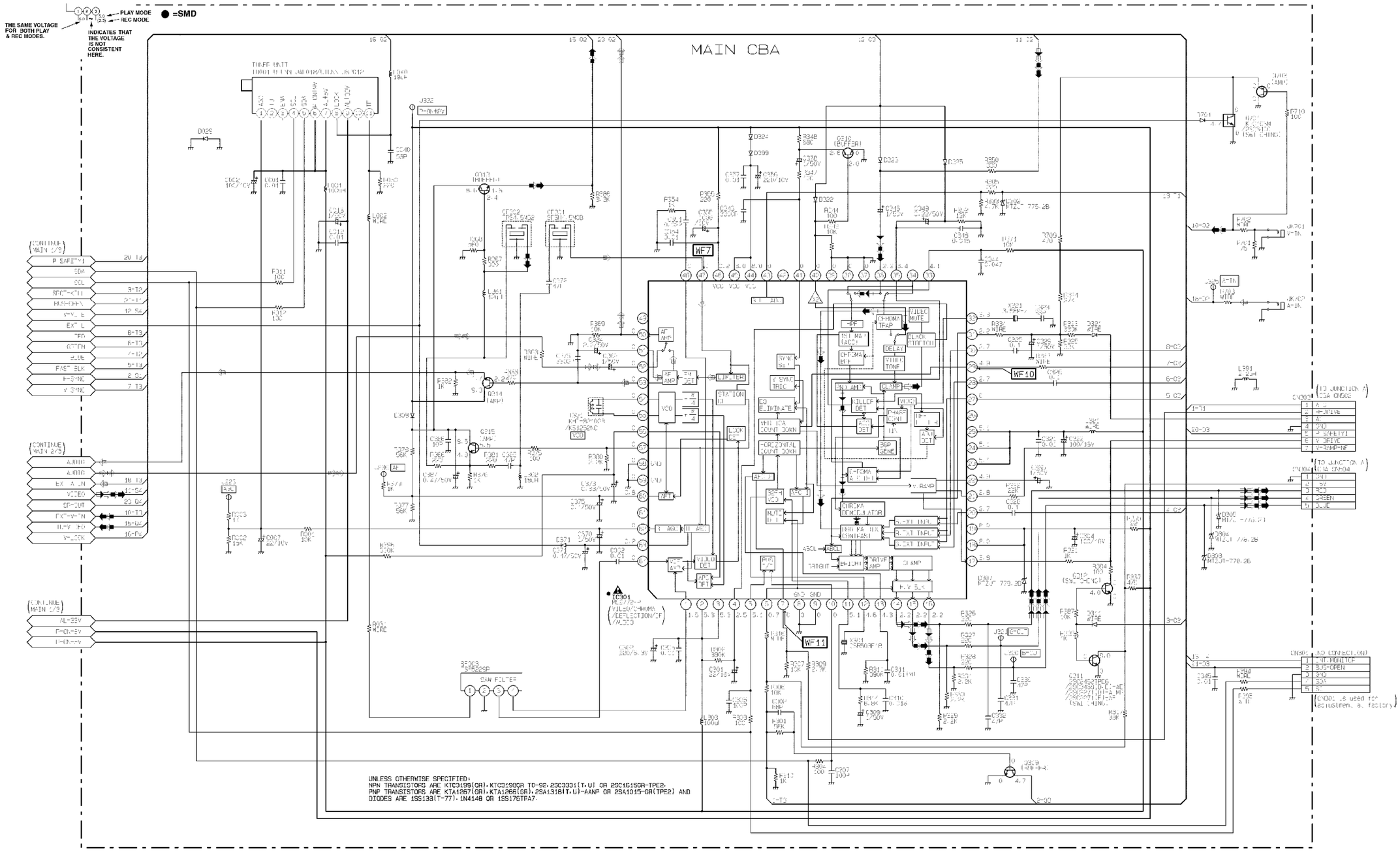
USED ONLY IN MODELS: CCA252AT31 (5866) - MAIN 1/3 SCHEMATIC


PLAY MODE
REC MODE
=SMD
THE SAME VOLTAGE FOR BOTH PLAY & REC MODES.
INDICATES THAT THE VOLTAGE IS NOT CONSISTENT HERE.
MAIN CBA
IC201
IC202
IC203
IC204
IC207
IC602
WF3
WF18
WF17
SERVO/SYSTEM CONTROL BLOCK
UNLESS OTHERWISE SPECIFIED:
NPN TRANSISTORS ARE KTC3199(GR).KTC3198GR TO-92.2SC3331(T.U) OR 2SC1815GR-TPE2.
DIODES ARE 1SS133(T-77).1N4148 OR 1SS176TPA7 AND
SWITCHES ARE SKQSAB OR KSM0612B.

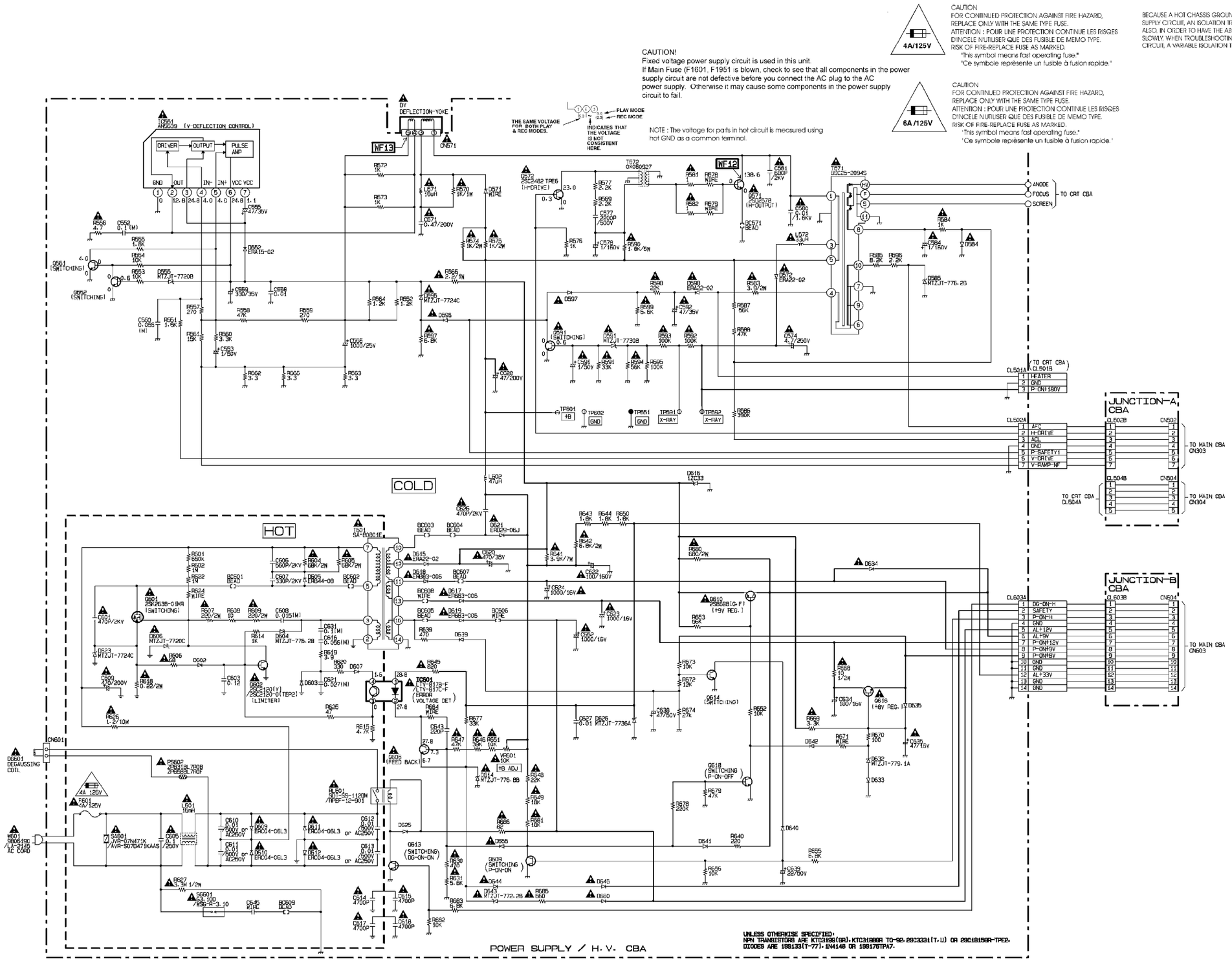
USED ONLY IN MODELS: CCA252AT31 (5866) - MAIN 2/3 SCHEMATIC



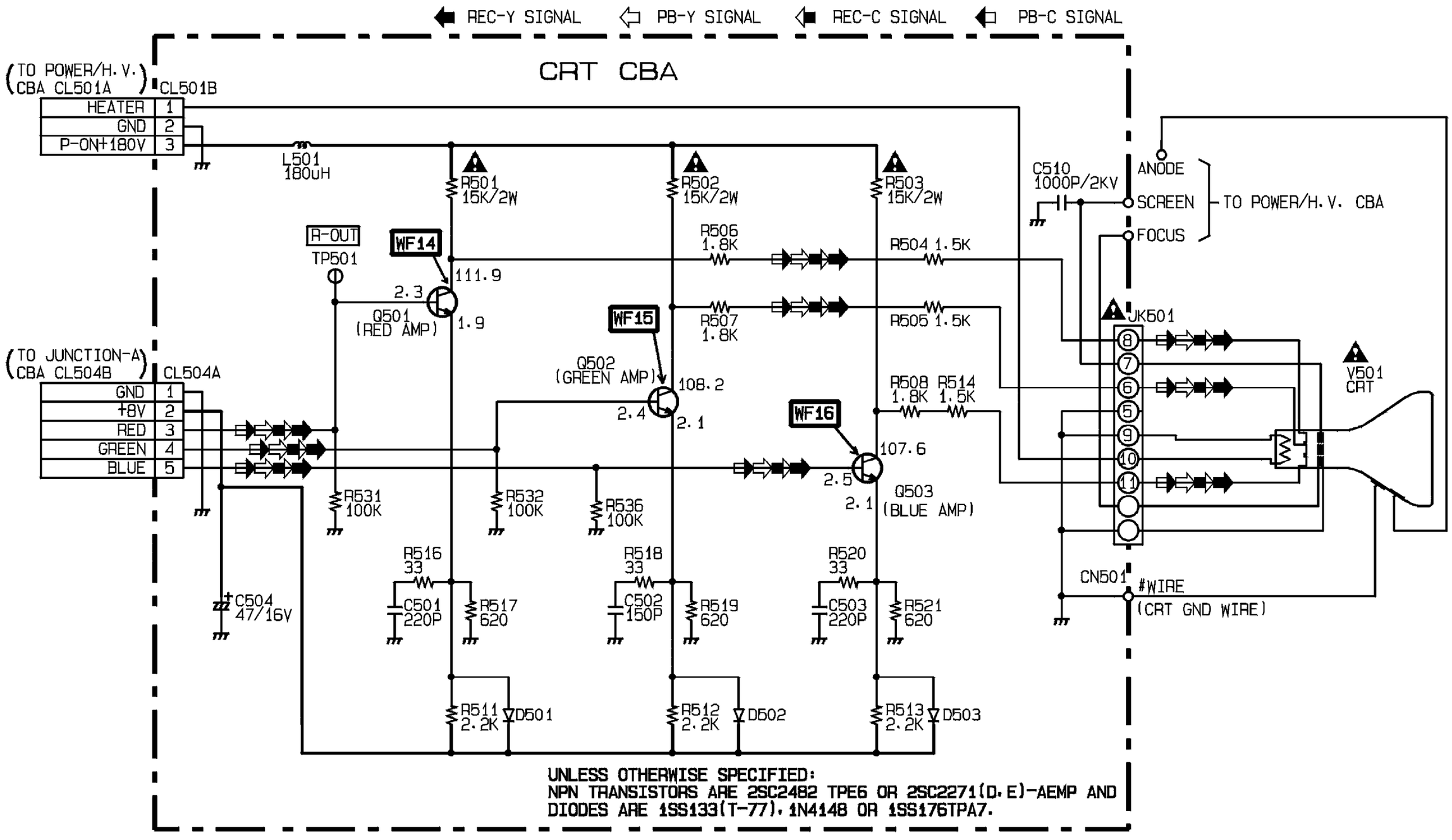
USED ONLY IN MODELS: CCA252AT31 (5866) - MAIN 3/3 SCHEMATIC


MAIN CBA
PLAY MODE
REC MODE
=SMD
THE SAME VOLTAGE FOR BOTH PLAY & REC MODES.
INDICATES THAT THE VOLTAGE IS NOT CONSISTENT HERE.
TUNER UNIT
SAW FILTER
VCO
WF7
WF10
WF11
(TO JUNCTION A) CCA CN502
(TO JUNCTION A) CCA CN504
(CN501 is used for adjustment, by factory)
UNLESS OTHERWISE SPECIFIED:
NPN TRANSISTORS ARE KTC3199(GR), KTC3198GR TO-92, 2SC3034(T,U) OR 2SC1815GR-TPE2.
PNP TRANSISTORS ARE KTA1267(GR), KTA1266(GR), 2SA1318(T,U)-AANP OR 2SA1015-GR(TPE2) AND
DIODES ARE 1SS133(T-77), 1N4148 OR 1SS176TPA7.

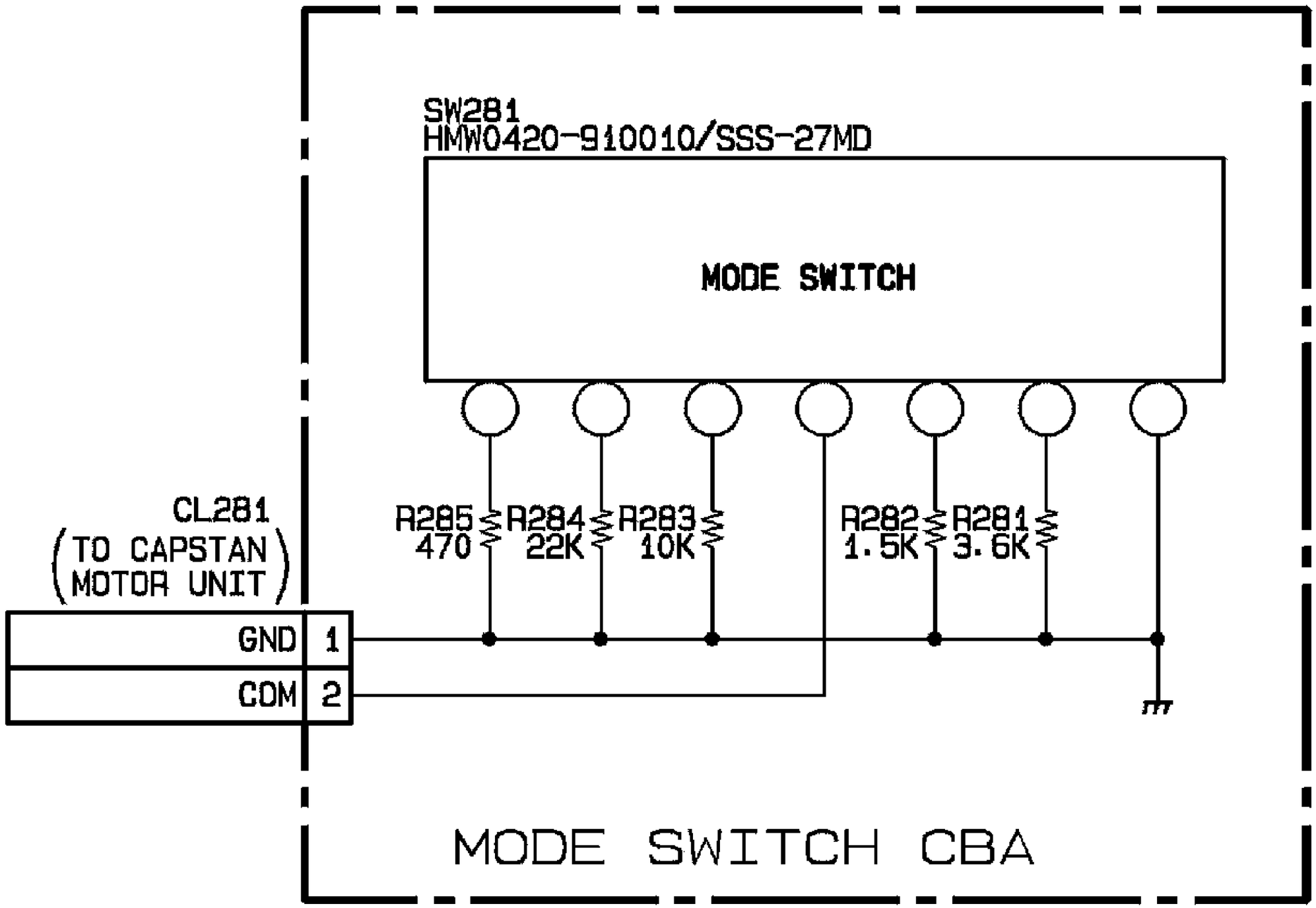
USED ONLY IN MODELS: CCA252AT31 (5866) - POWER SUPPLY/H.V. SCHEMATIC


CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE.
ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQES D'INCELE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE.
RISK OF FIRE-REPLACE FUSE AS MARKED.
"This symbol means fast operating fuse."
"Ce symbole représente un fusible à fusion rapide."
4A/125V
6A/125V
BECAUSE A HOT CHASSIS GROUND IS PRESENT IN THE POWER SUPPLY CIRCUIT, AN ISOLATION TRANSFORMER MUST BE USED. ALSO, IN ORDER TO HAVE THE ABILITY TO INCREASE THE INPUT SLOWLY WHEN TROUBLESHOOTING THIS TYPE POWER SUPPLY CIRCUIT, A VARIABLE ISOLATION TRANSFORMER IS REQUIRED.
CAUTION!
Fixed voltage power supply circuit is used in this unit.
If Main Fuse (F1601, F1951 is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.
NOTE : The voltage for parts in hot circuit is measured using hot GND as a common terminal.
THE SAME VOLTAGE FOR BOTH PLAY & REC MODES.
INDICATES THAT THE VOLTAGE IS NOT CONSISTENT HERE.
PLAY MODE
REC MODE
DY DEFLECTION YOKE
IC561 AN6239 (V-DEFLECTION CONTROL)
DRIVER
OUTPUT
PULSE AMP
GND OUT IN- IN+ VCC VCC
WF13
WF12
COLD
HOT
TO CRT CBA
ANODE
FOCUS
SCREEN
CL501A
CL501B
HEATER
GND
B-ON+180V
JUNCTION-A CBA
CL502B
CN502
TO MAIN CBA CN303
CL504B
CN504
TO CRT CBA CL504A
TO MAIN CBA CN304
JUNCTION-B CBA
CL603B
CN604
CL603A
DG-ON-H
SAFETY
P-ON-H
GND
AL+12V
AL+9V
P-ON+12V
P-ON+9V
P-ON+8V
GND
GND
AL+33V
GND
GND
TO MAIN CBA CN603
CN601
DEGAUSSING COIL
AC CORD
POWER SUPPLY / H.V. CBA
UNLESS OTHERWISE SPECIFIED:
NPN TRANSISTORS ARE KTC3198(GR), KTC3198GR TO-92, 2SC3331(T,U) OR 2SC1815GR-TPE2.
DIODES ARE 1SS133(T-77), 1N4148 OR 1SS176TPA7.

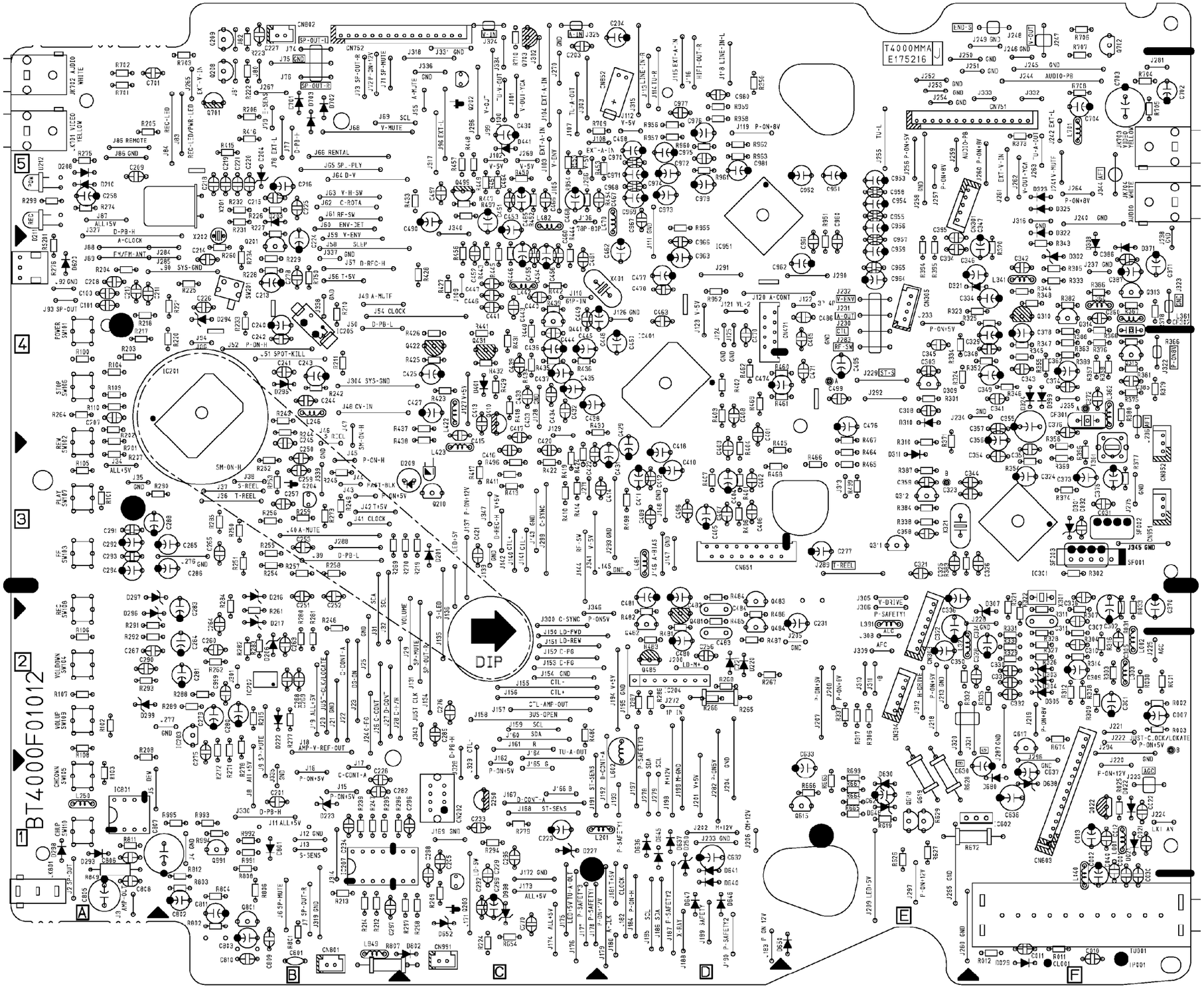
USED ONLY IN MODELS: CCA252AT31 (5866) - CRT SCHEMATIC



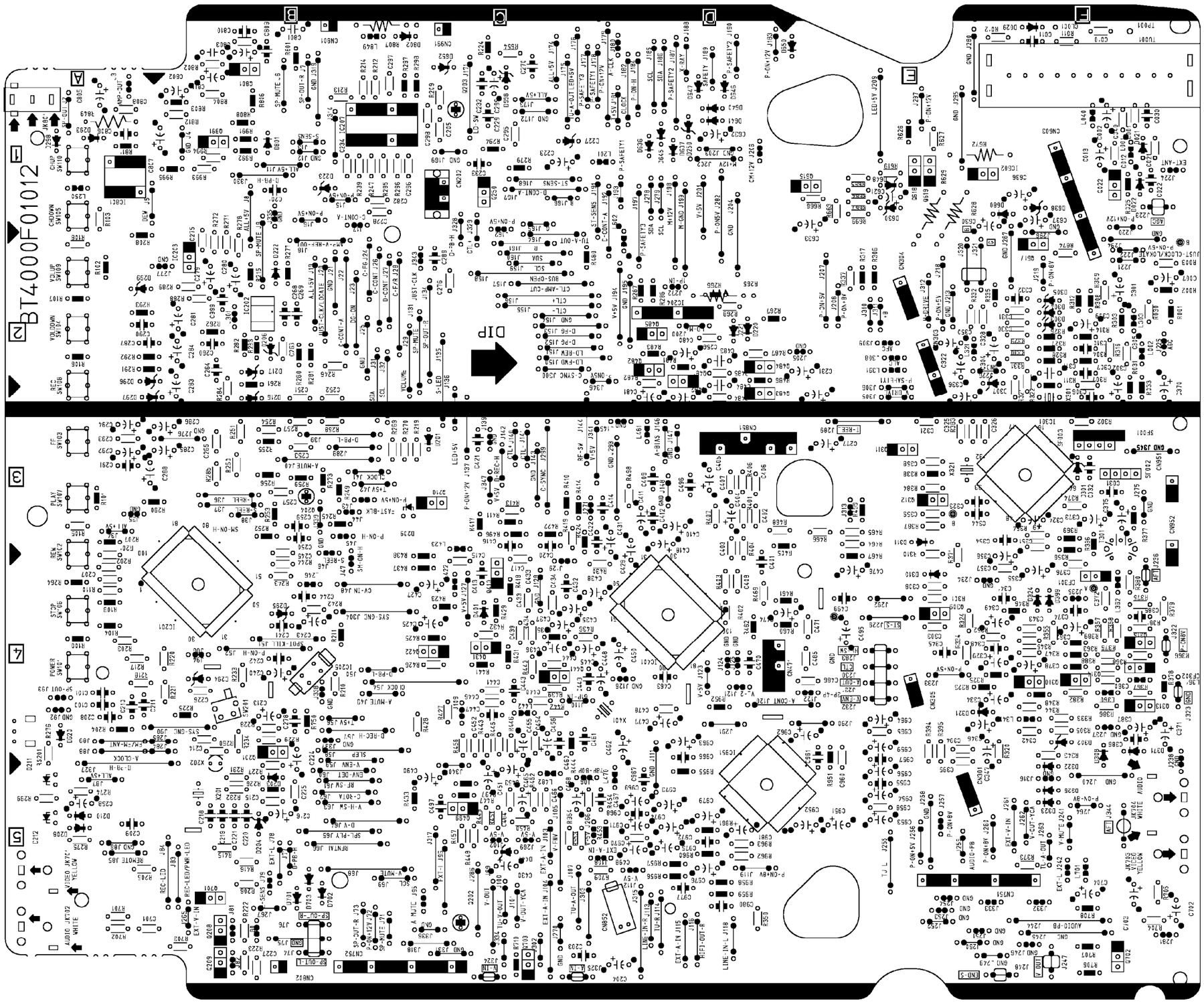
USED ONLY IN MODELS: CCA252AT31 (5866) - MODE SWITCH SCHEMATIC



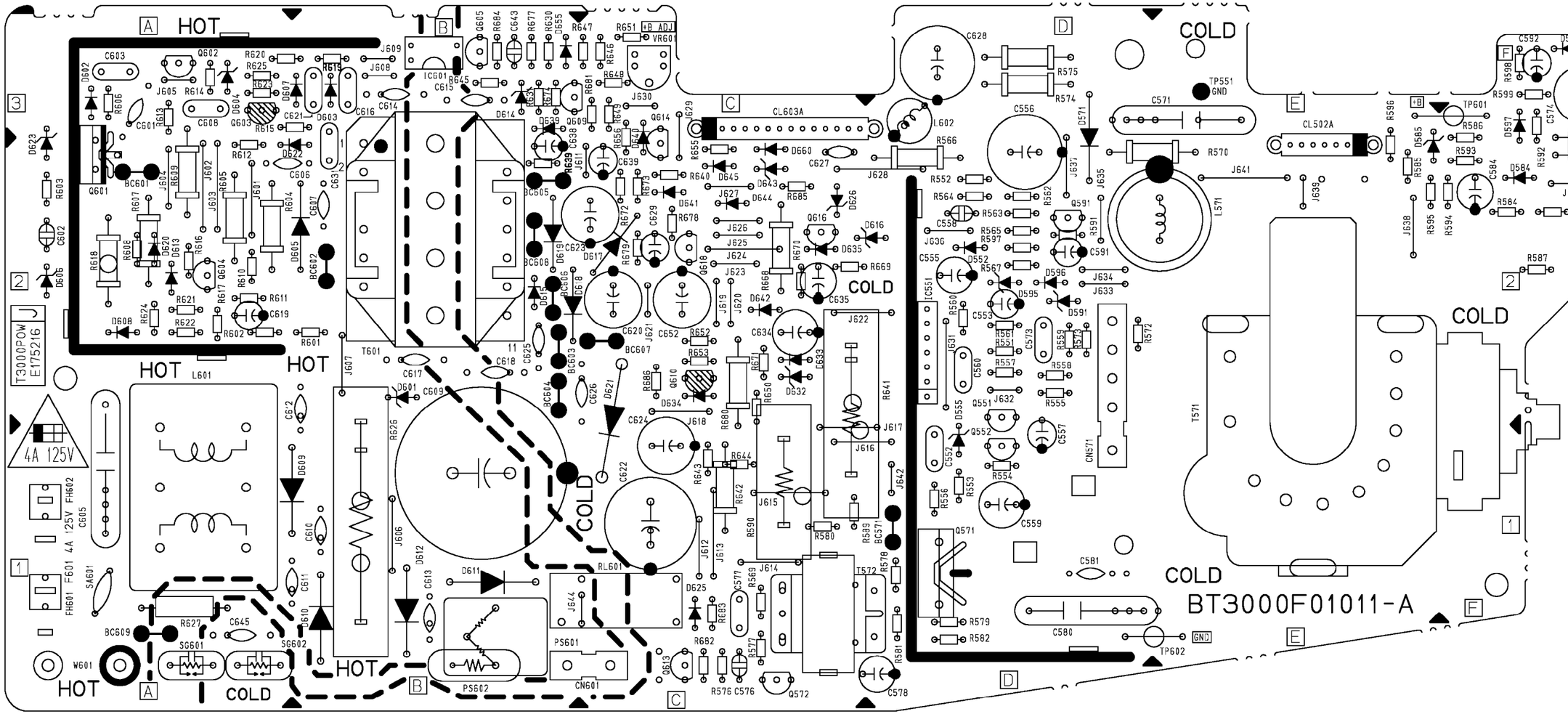
USED ONLY IN MODELS: CCA252AT31 (5866) - MAIN CBA (TOP)



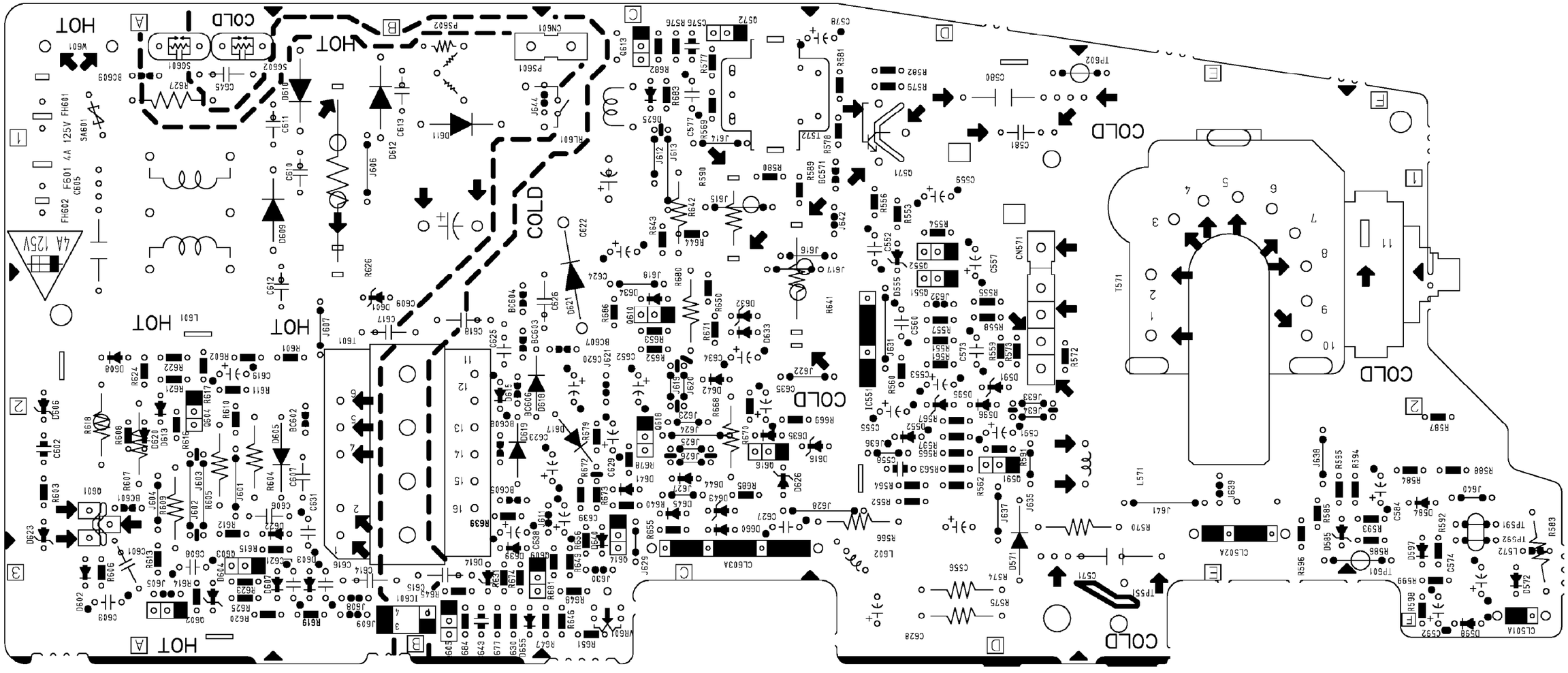
USED ONLY IN MODELS: CCA252AT31 (5866) - MAIN CBA (BOTTOM)



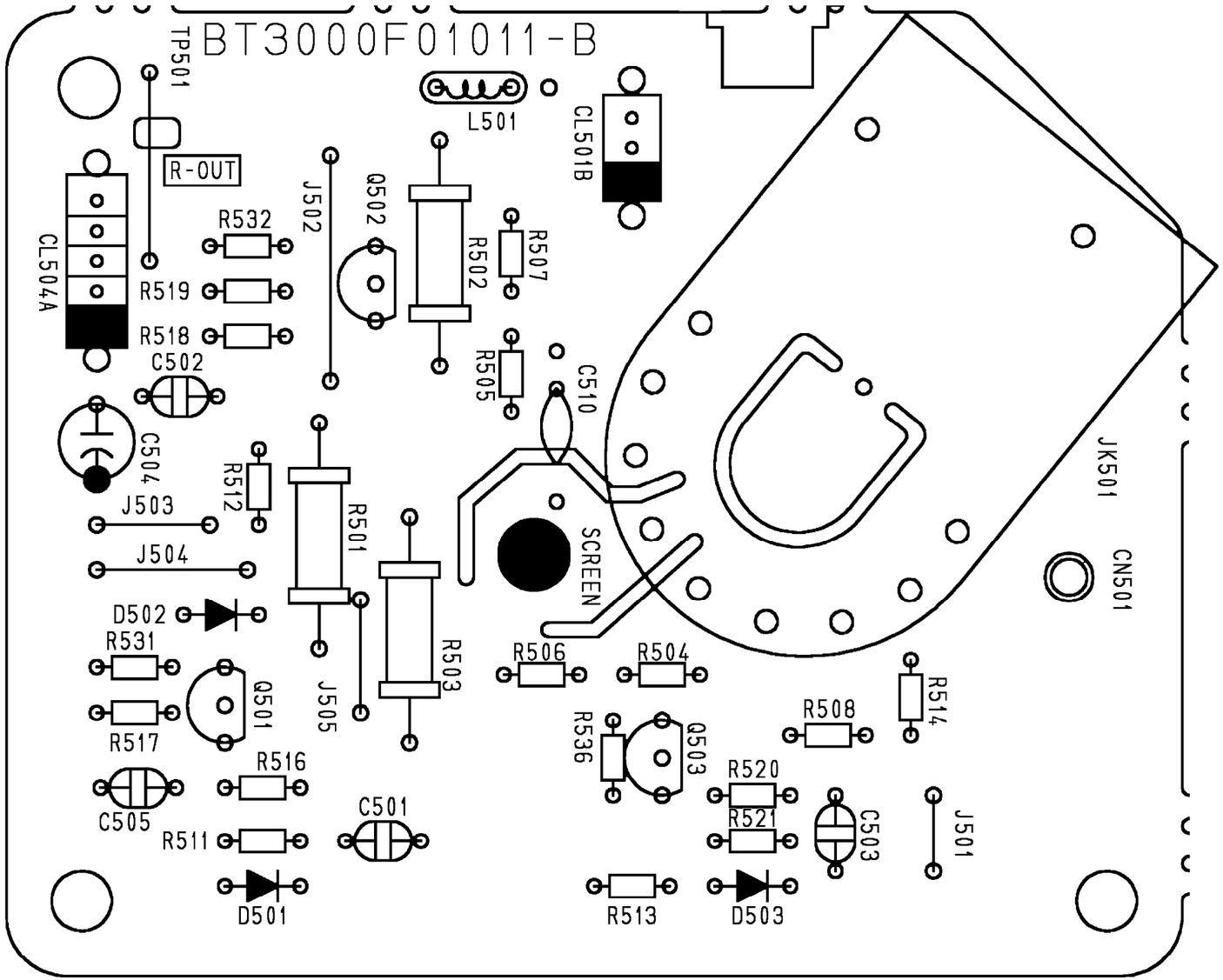
USED ONLY IN MODELS: CCA252AT31 (5866) - POWER SUPPLY/HV CBA (TOP)



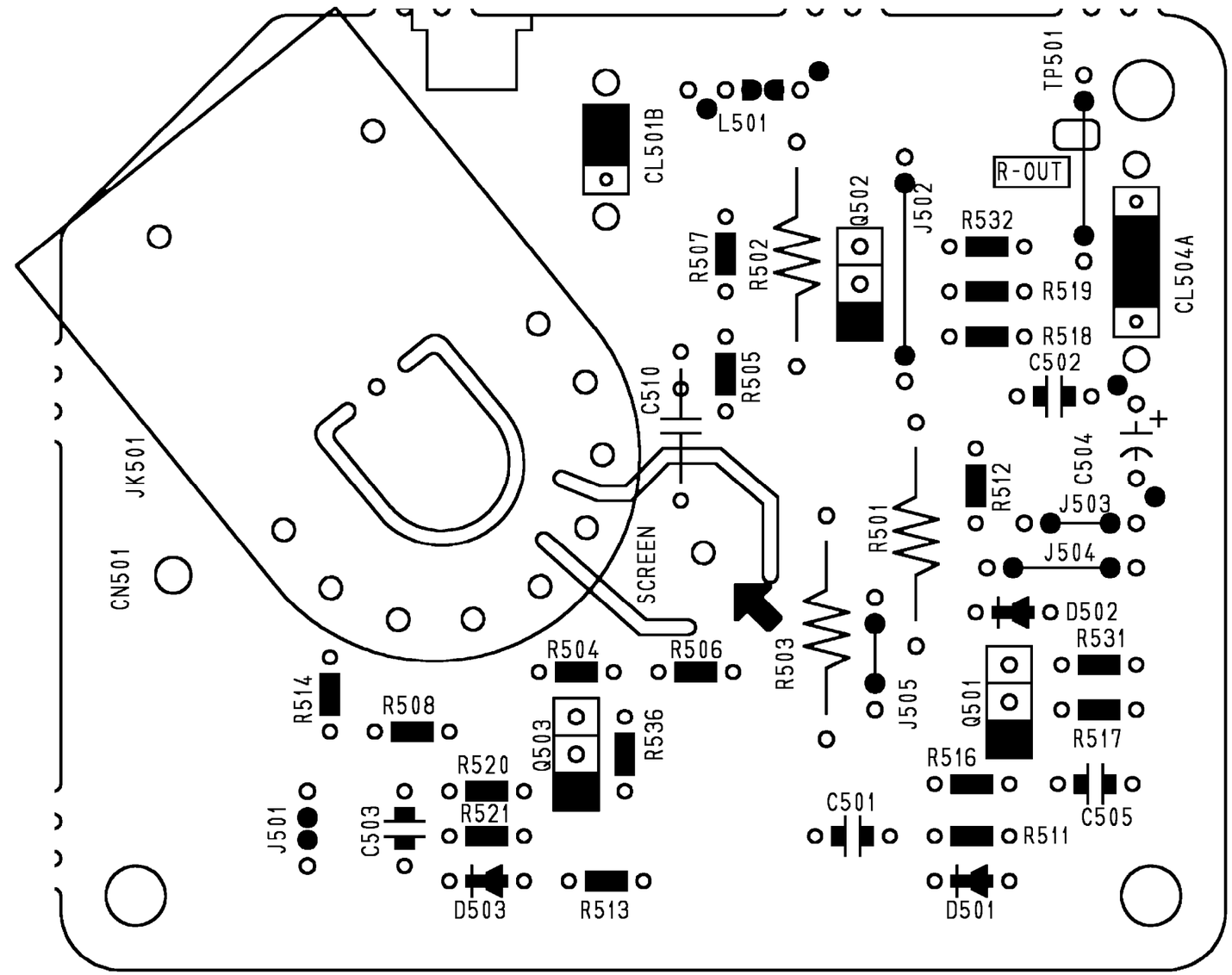
USED ONLY IN MODELS: CCA252AT31 (5866) - POWER SUPPLY/HV CBA (BOTTOM)



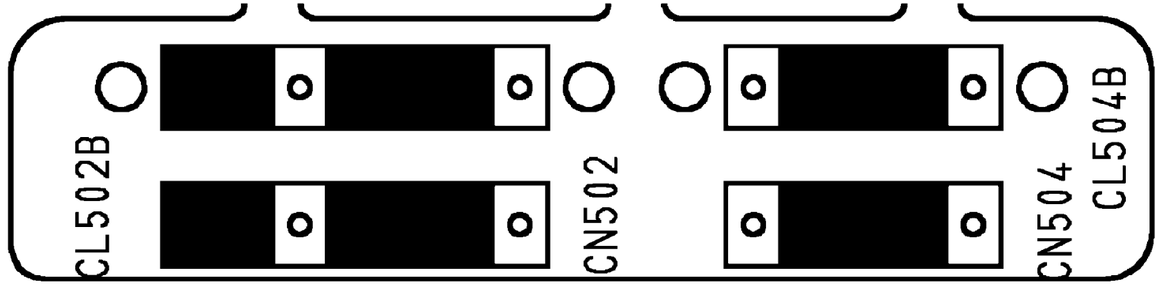
USED ONLY IN MODELS: CCA252AT31 (5866) - CRT CBA (TOP)

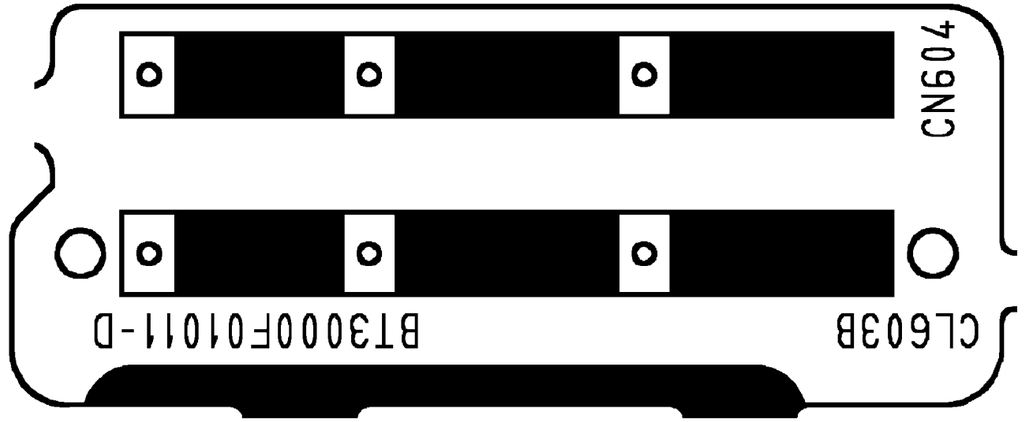


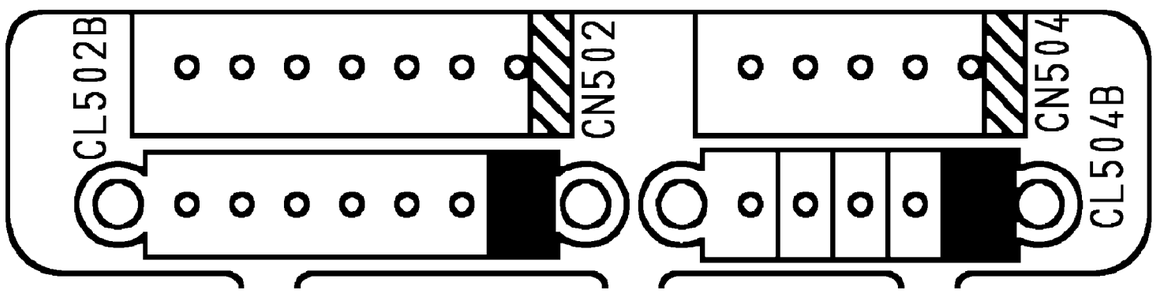
USED ONLY IN MODELS: CCA252AT31 (5866) - CRT CBA (BOTTOM)

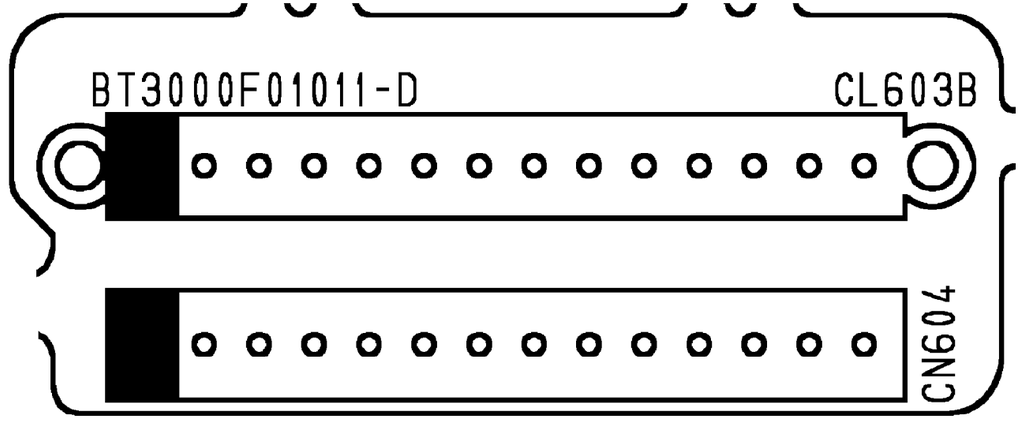


USED ONLY IN MODELS: CCA252AT31 (5866) - JUNCTION CBA (TOP & BOTTOM)

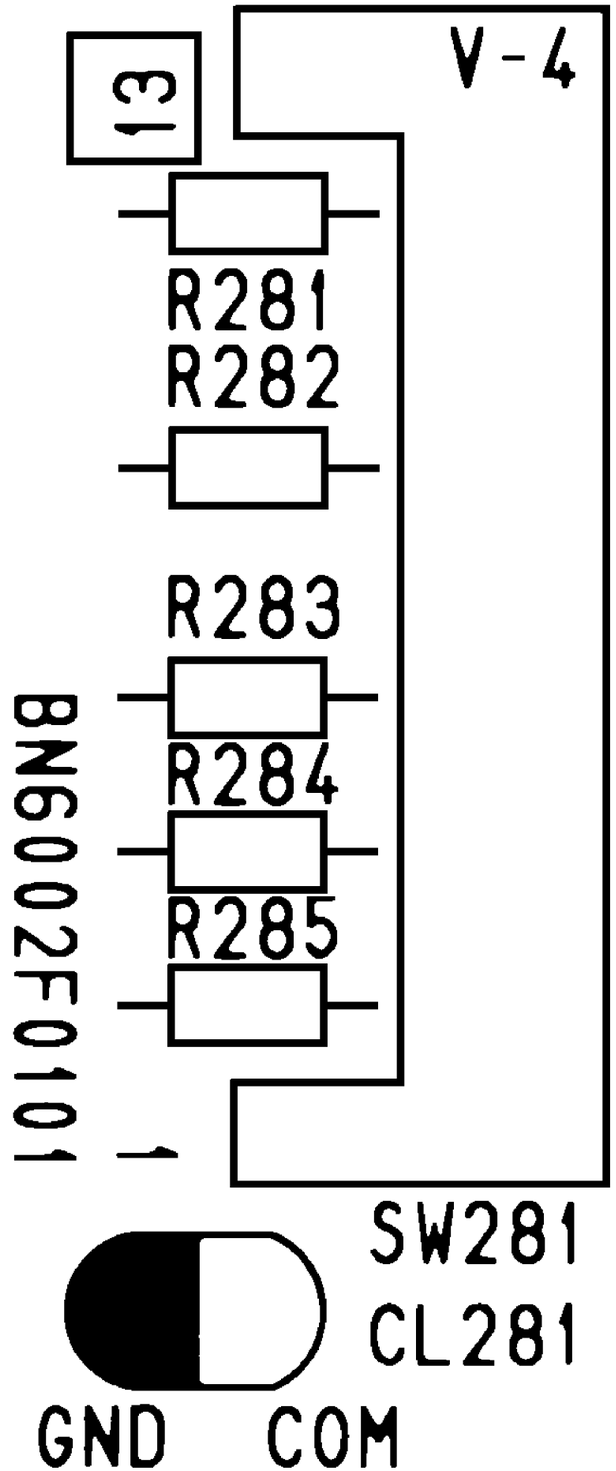


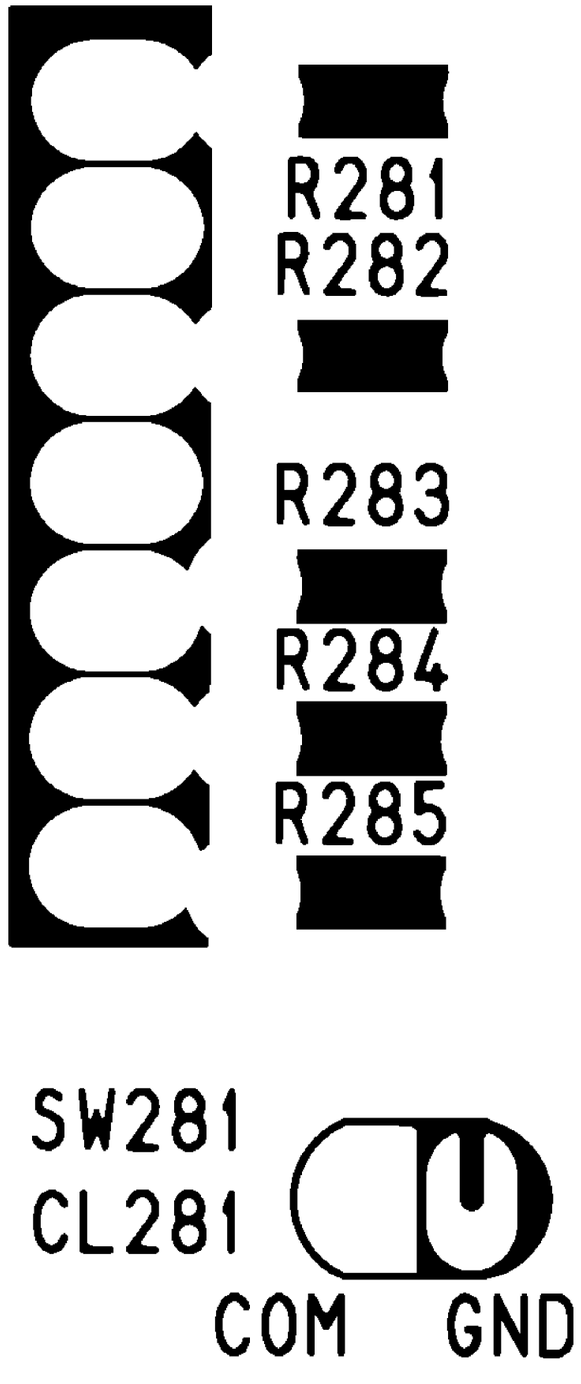






USED ONLY IN MODELS: CCA252AT31 (5866) - MODE SWITCH CBA (TOP & BOTTOM)





WIRING DIAGRAM

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

ANODE
CRT
GND
CN501
FOCUS
CRT CBA BT3000F01011-B
SCREEN
CL504A
CL501B: HEATER, GND, P-ON+180V
CL501A: HEATER, GND, P-ON+180V
CL502A: AFC, H-DRIVE, ACL, GND, P-SAFETY 1, V-DRIVE, V-RAMP-NF
T571 FBT
D.Y.
HD
VD
CN571 (1–5)
CN601
W601 AC CORD
POWER SUPPLY /H.V. CBA BT3000F01011-A

SP801 SPEAKER
CN801: SP, SP-GND

JUNCTION A CBA BT3000F01011-C
CL504B — CN504 — CN304: GND, +8V, RED, GREEN, BLUE
CL502B — CN502 — CN303: AFC, H-DRIVE, ACL, GND, P-SAFETY 1, V-DRIVE, V-RAMP-NF

(NO CONNECTION)
CN301 IS USED FOR ADJUSTMENT AT FACTORY
CN301: INT.MONITOR, BUS-OPEN, GND, SDA, SCL

JUNCTION B CBA BT3000F01011-D
CL603A — CL603B — CN604 — CN603: DG-ON-H, SAFFTY, P-ON-H, M-GND, AL+12V, AL+9V, P-ON+12V, P-ON+9V, P-ON+8V, GND, GND, AL+33V, GND, GND

MAIN CBA BT4000F01012

CN202: C-F/R, P-ON+5V, AL+12V, C-FG, LD-SW, C-CONT, FG GND, CM GMD

CN851: P-ON+5V, S-GND, D-PG, AL+12V, D-FG, M-GND, D-CONT, NU, LD-M(+), LD-M(-), NU, AE-H, AE-H/FE-H, A-COM, A-PB/REC, CTL(+), CTL(-)

CN471: V(L), V-COM, NU, V(R)

CN852: FE-H, FE-H GND

WIRING DIAGRAM FOR SECTION 2 (DECK MECHANISM)

CAPSTAN MOTOR UNIT

MODE SW CBA BN6002F01011
SW281 MODE SWITCH

DRUM MOTOR UNIT

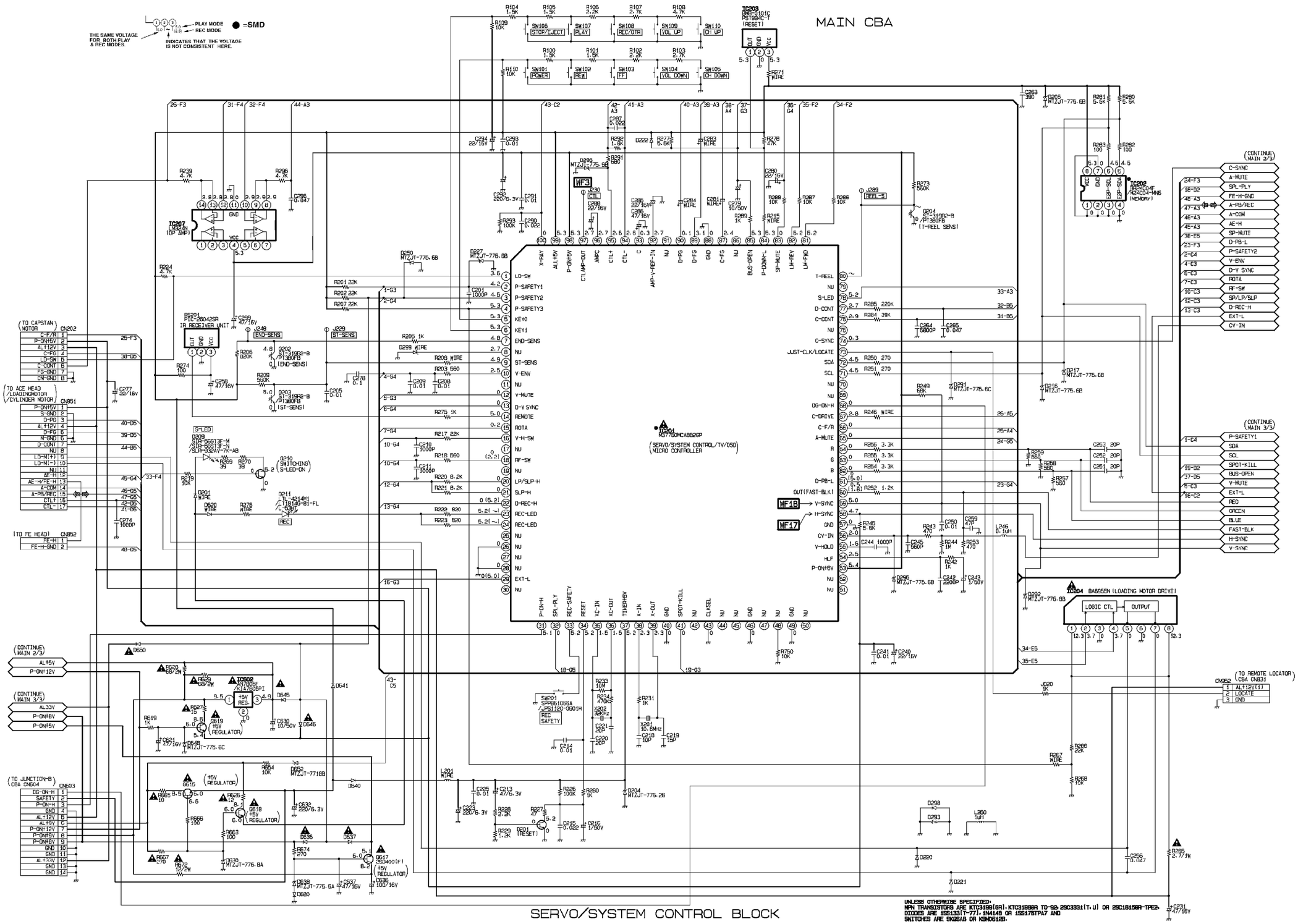
LOADING MOTOR UNIT
LOADING MOTOR
M

CN287
AUDIO ERASE HEAD
AUDIO HEAD
CONTROL HEAD
ACE HEAD UNIT

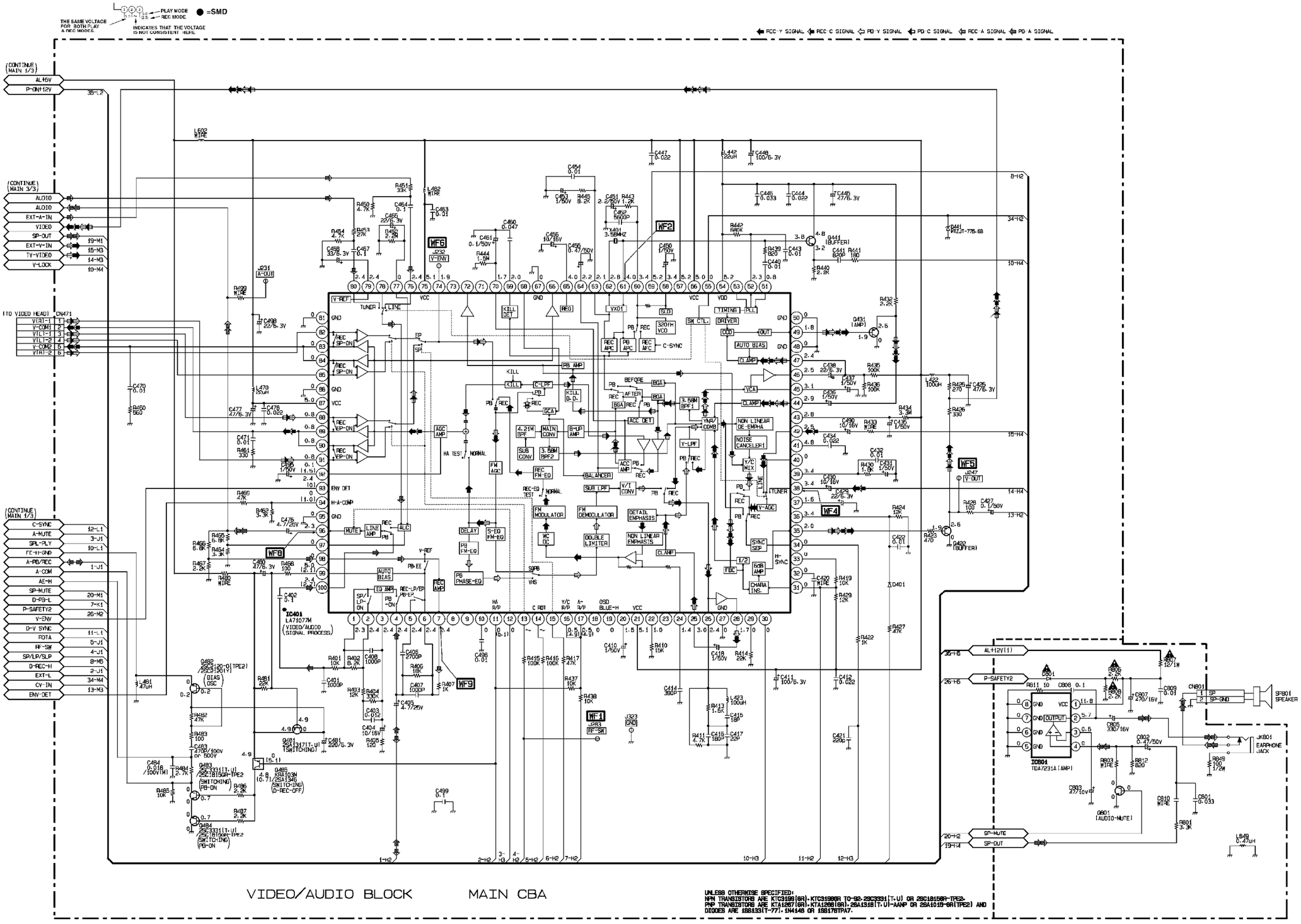
VIDEO L HEAD
VIDEO R HEAD

FE HEAD UNIT
FULL ERASE HEAD

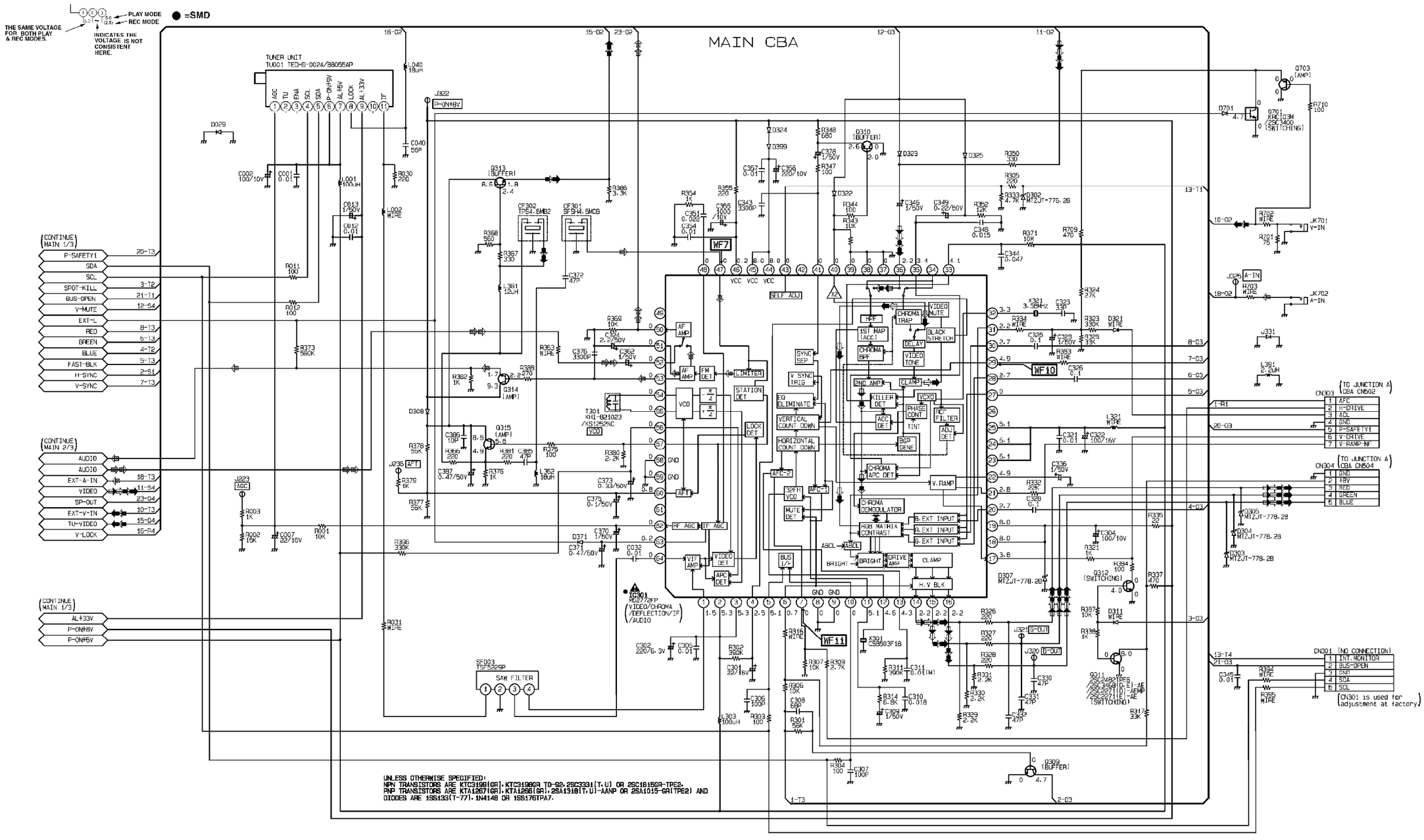
USED ONLY IN MODELS: CCA255AT31 (5866) - MAIN 1/3 SCHEMATIC



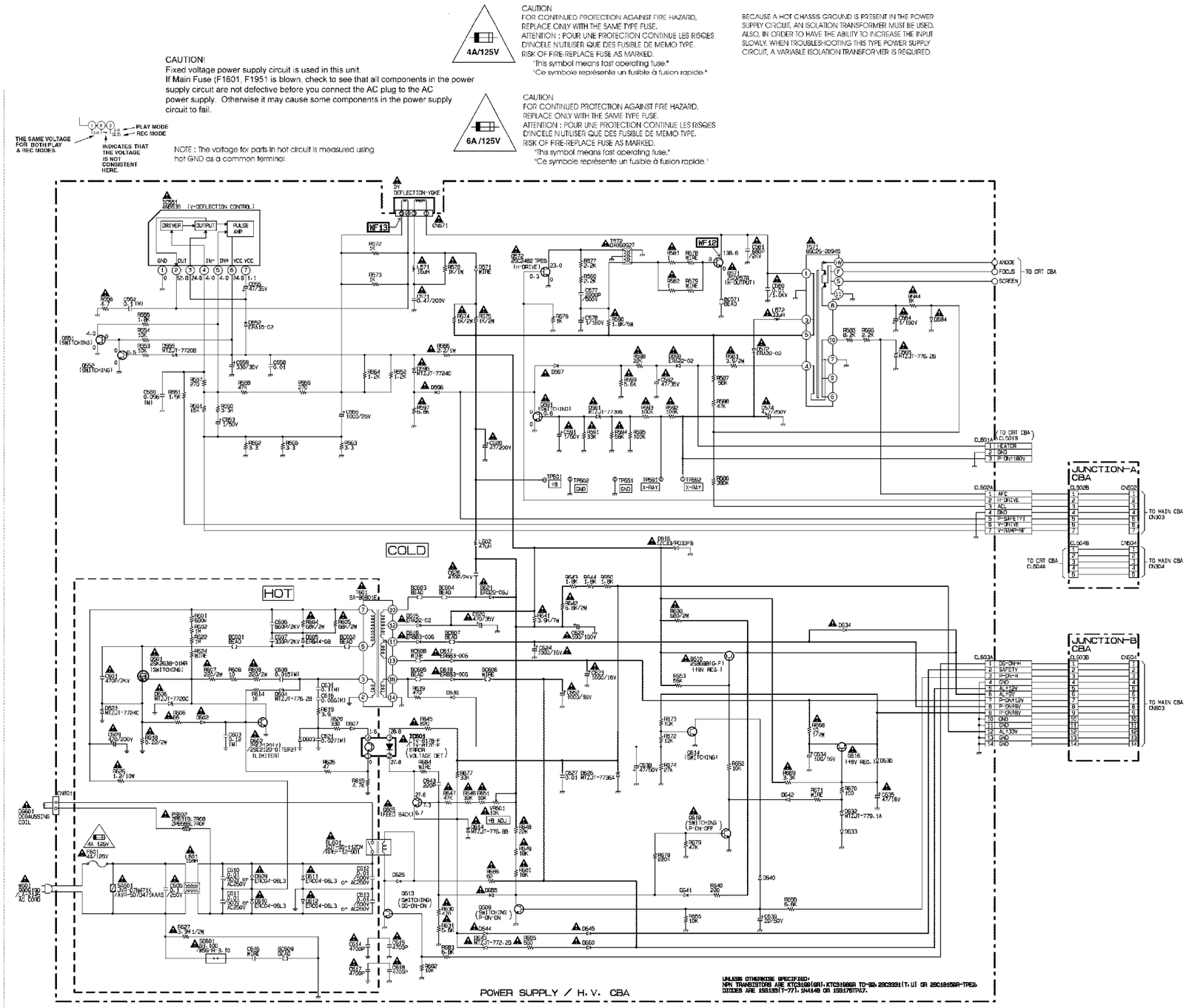
USED ONLY IN MODELS: CCA255AT31 (5866) - MAIN 2/3 SCHEMATIC



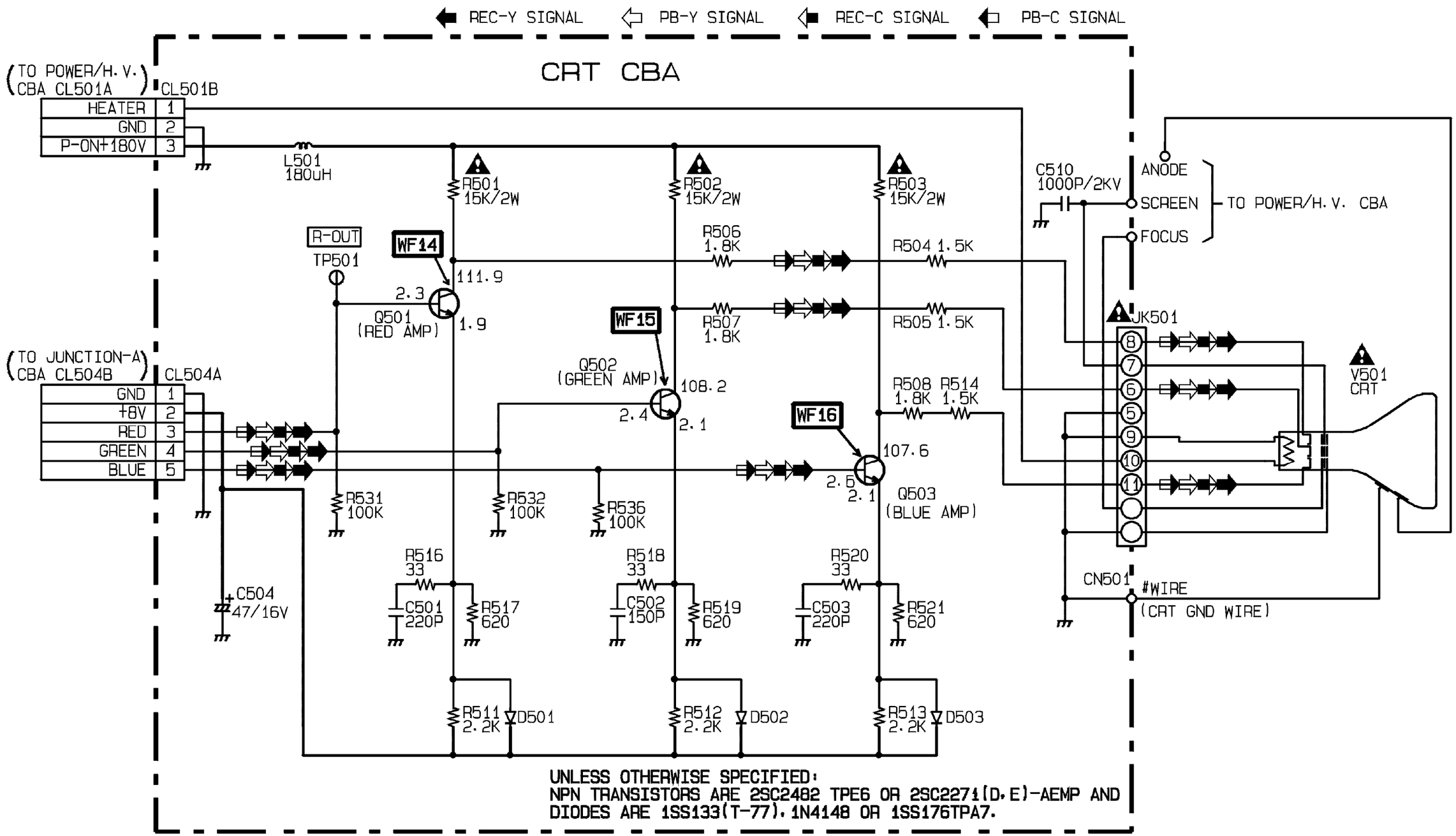
USED ONLY IN MODELS: CCA255AT31 (5866) - MAIN 3/3 SCHEMATIC



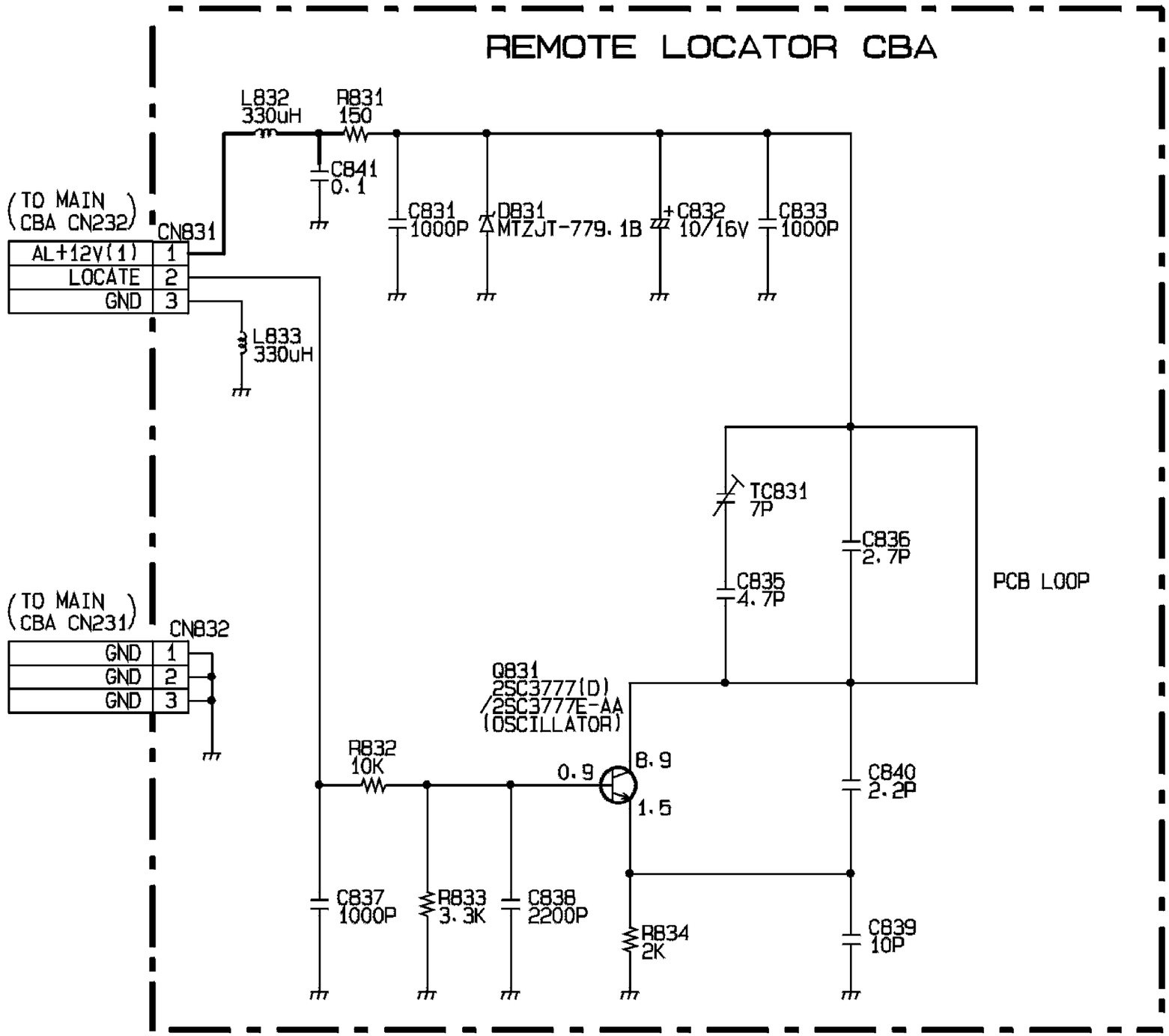
USED ONLY IN MODELS: CCA255AT31 (5866) - POWER SUPPLY/H.V. SCHEMATIC

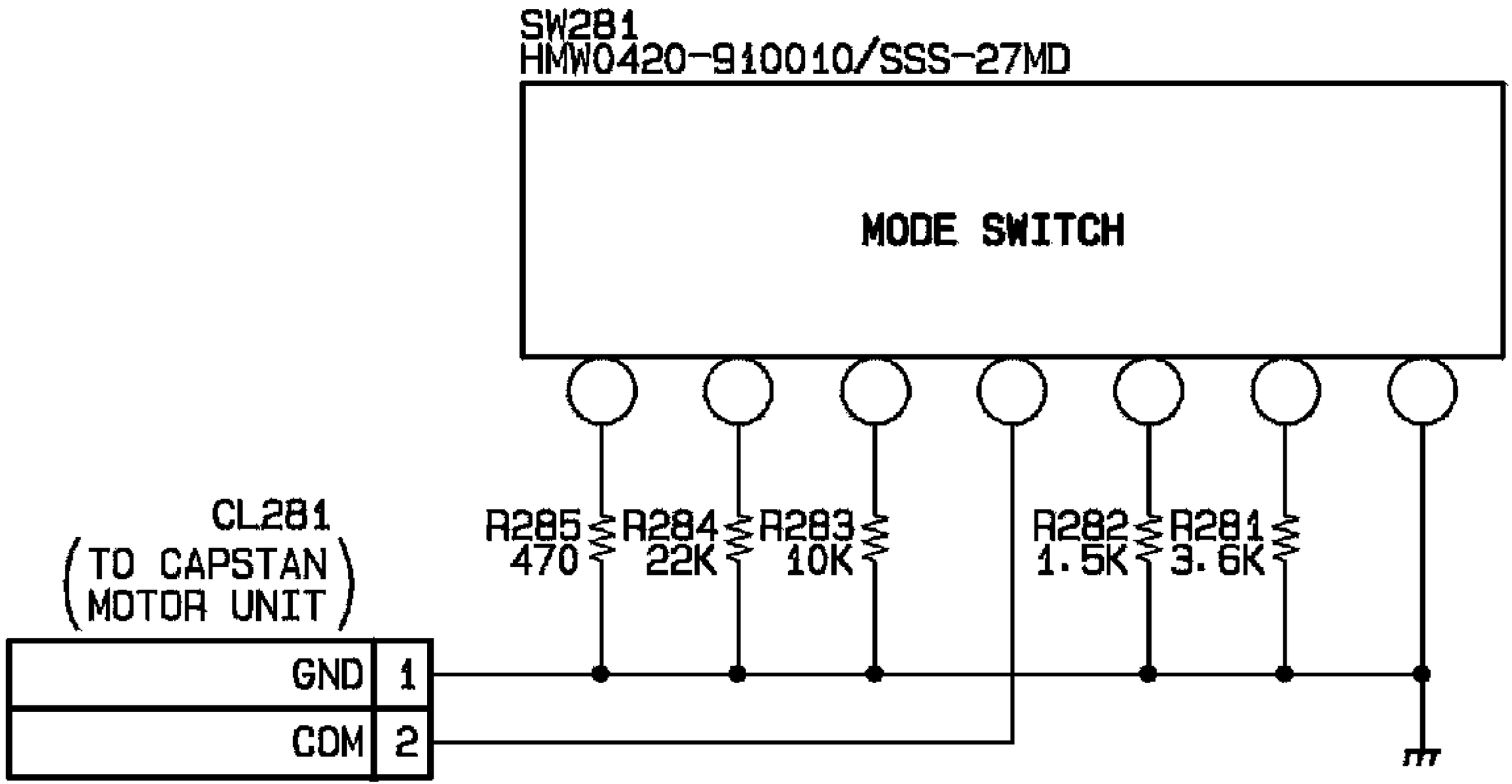

4A/125V
CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE FUSE.
ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQIES
D'INCELE NUTILISER QUE DES FUSIBLE DE MEMO TYPE.
RISK OF FIRE-REPLACE FUSE AS MARKED.
"This symbol means fast operating fuse."
"Ce symbole représente un fusible à fusion rapide."
BECAUSE A HOT CHASSIS GROUND IS PRESENT IN THE POWER SUPPLY CIRCUIT, AN ISOLATION TRANSFORMER MUST BE USED. ALSO, IN ORDER TO HAVE THE ABILITY TO INCREASE THE INPUT SLOWLY, WHEN TROUBLESHOOTING THIS TYPE POWER SUPPLY CIRCUIT, A VARIABLE ISOLATION TRANSFORMER IS REQUIRED.
CAUTION!
Fixed voltage power supply circuit is used in this unit.
If Main Fuse (F1601, F1951 is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.
6A/125V
CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE FUSE.
ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQIES
D'INCELE NUTILISER QUE DES FUSIBLE DE MEMO TYPE.
RISK OF FIRE-REPLACE FUSE AS MARKED.
"This symbol means fast operating fuse."
"Ce symbole représente un fusible à fusion rapide."
PLAY MODE
REC MODE
THE SAME VOLTAGE FOR BOTH PLAY & REC MODES.
INDICATES THAT THE VOLTAGE IS NOT CONSISTENT HERE.
NOTE : The voltage for parts in hot circuit is measured using hot GND as a common terminal.
COLD
HOT
POWER SUPPLY / H.V. CBA
JUNCTION-A CBA
JUNCTION-B CBA
TO CRT CBA
TO MAIN CBA
ANODE
FOCUS
SCREEN

USED ONLY IN MODELS: CCA255AT31 (5866) - CRT SCHEMATIC



USED ONLY IN MODELS: CCA255AT31 (5866) - REMOTE LOCATOR SCHEMATIC




SW281
HMW0420-910010/SSS-27MD
MODE SWITCH
R285
470
R284
22K
R283
10K
R282
1.5K
R281
3.6K
CL281
(TO CAPSTAN
MOTOR UNIT)
GND
1
COM
2

WIRING DIAGRAM

NOTE FOR WIRE CONNECTORS:
1. PREFIX SYMBOL "CN" MEANS CONNECTOR. (CAN DISCONNECT AND RECONNECT.)
2. PREFIX SYMBOL "CL" MEANS WIRE-SOLDER HOLES OF THE PCB. (WIRE IS SOLDERED DIRECTLY.)

ANODE
CRT
GND
CN501
FOCUS
SCREEN
CRT CBA BT5000F01021-B
CL504B: GND 1, +9V 2, RED 3, GREEN 4, BLUE 5
CL501B: 1 HEATER, 2 GND, 3 P-ON+180V
CL501A: 1 HEATER, 2 GND, 3 P-ON+180V
T571 FBT
CL503A: AFC 1, H-DRIVE 2, ACL 3, GND 4, P-SAFETY 1 5, V-DRIVE 6, V-RAMP-NF 7
D.Y.
HD
VD
CN571: 1, 2, 3, 4, 5
H.V. CBA BT5000F01021-A

SP801 SPEAKER
CL802
CN801: 1 SP, 2 SP-GND

JUNCTION A CBA BT5000F01021-D
CL504A CN504: 1 GND, 2 +9V, 3 RED, 4 GREEN, 5 BLUE
CN304: 1 GND, 2 +9V, 3 RED, 4 GREEN, 5 BLUE
CL503B CN503: 1 AFC, 2 H-DRIVE, 3 ACL, 4 GND, 5 P-SAFETY 1, 6 V-DRIVE, 7 V-RAMP-NF
CN303: 1 AFC, 2 H-DRIVE, 3 ACL, 4 GND, 5 P-SAFETY 1, 6 V-DRIVE, 7 V-RAMP-NF

JUNCTION B CBA BT5000F01021-C
CL502A: GND 1, GND 2, DEF+B 3, GND 4, +B 5, +B 6
CL502B CN502: 1 GND, 2 GND, 3 DEF+B, 4 GND, 5 +B, 6 +B
CN602: 1 GND, 2 GND, 3 DEF+B, 4 GND, 5 +B, 6 +B

CN301: 1 INT.MONITOR, 2 BUS-OPEN, 3 GND, 4 SDA, 5 SCL, 6 NU, 7 NU
(NO CONNECTION)
CN301 IS USED FOR ADJUSTMENT AT FACTORY

CN601: 1, 2
W601

MAIN CBA BT5000F01012

CN202: 1 C-F/R, 2 AL+5V(3), 3 AL+12V(2), 4 C-FG, 5 LD-SW, 6 C-CONT, 7 FG GND, 8 CM GMD

CN851: 1 AL+5V(3), 2 S-GND, 3 D-PG, 4 AL+12V(2), 5 D-FG, 6 M-GND, 7 D-CONT, 8 NU, 9 LD-M(+), 10 LD-M(-), 11 NU, 12 AE-H, 13 AE-H/FE-H, 14 A-COM, 15 A-PB/REC, 16 CTL(+), 17 CTL(-)

CN471: 1 V(R)-1, 2 V-COM, 3 V(L)-1, 4 V(L)-2, 5 V-COM, 6 V(R)-2

CN852: 1 FE-H, 2 FE-H GND

WIRING DIAGRAM FOR SECTION 2 (DECK MECHANISM)

CAPSTAN MOTOR UNIT (1–8)

MODE SW CBA BN6002F01011
SW281 MODE SWITCH

DRUM MOTOR UNIT (1–7)

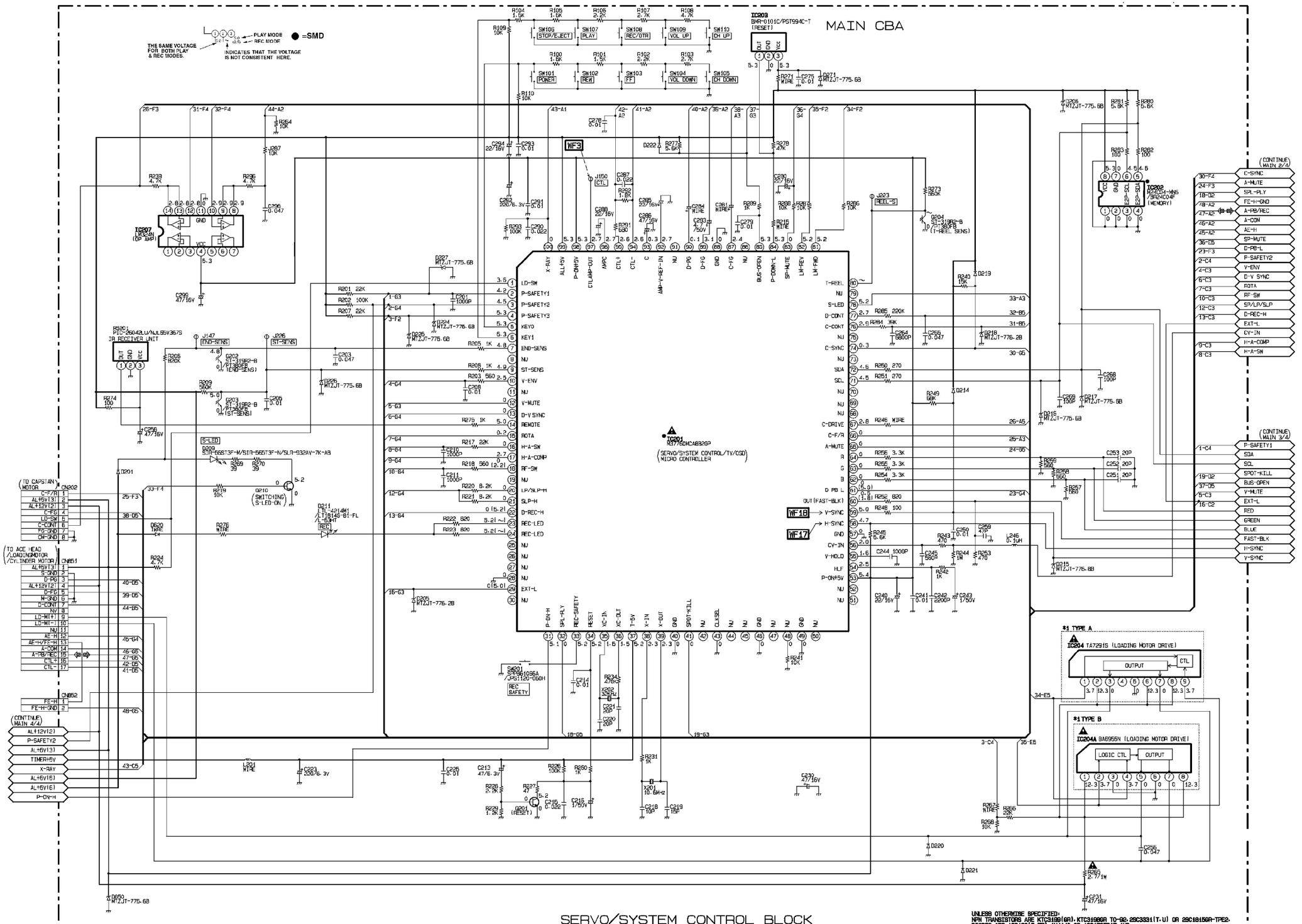
LOADING MOTOR UNIT
LOADING MOTOR
M

CN287: 1 AUDIO ERASE HEAD, 2 AUDIO HEAD, 3 CONTROL HEAD, 4, 5, 6
ACE HEAD UNIT

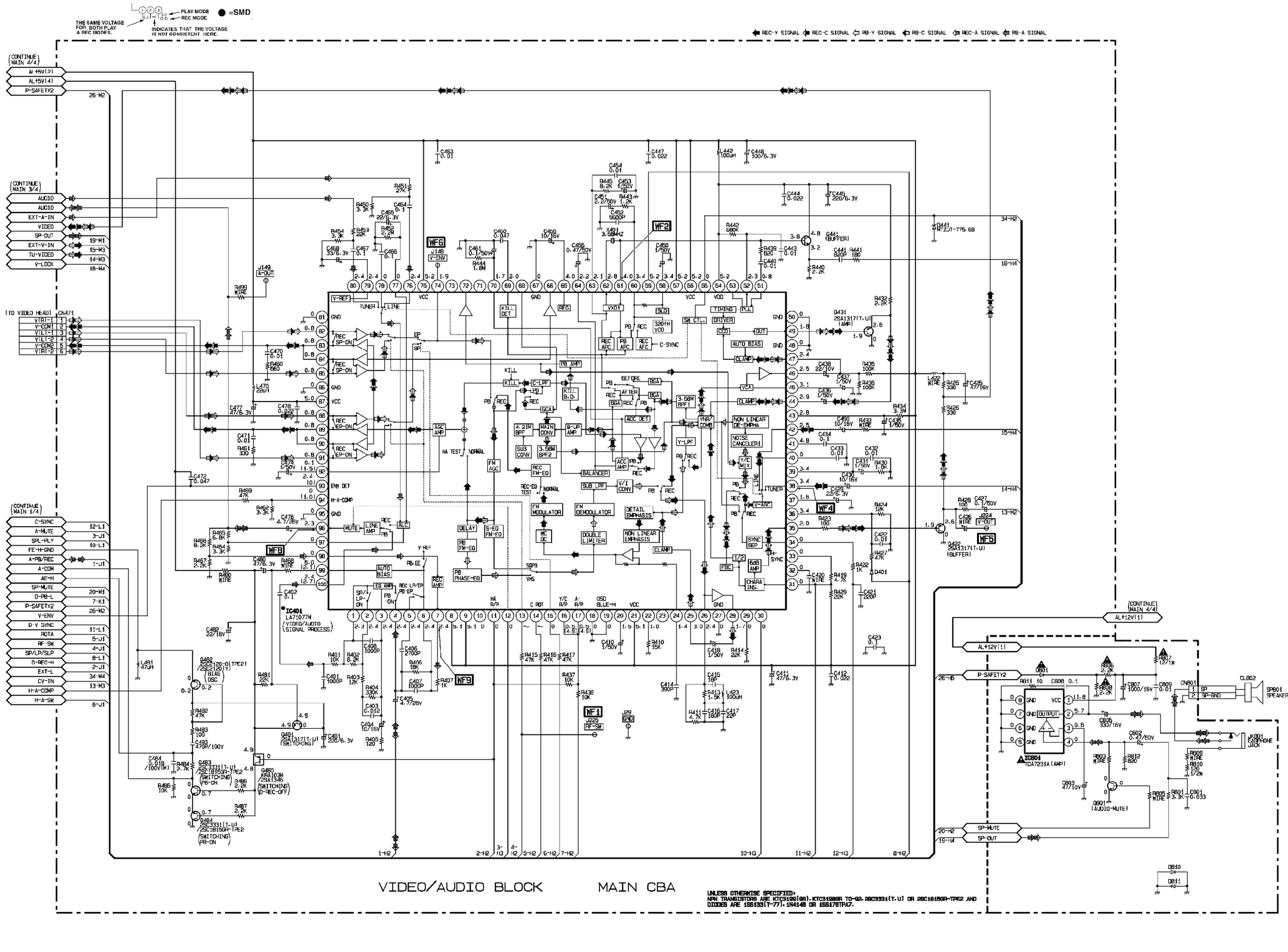
VIDEO R1 HEAD
VIDEO L1 HEAD
VIDEO L2 HEAD
VIDEO R2 HEAD

FE HEAD UNIT
FULL ERASE HEAD

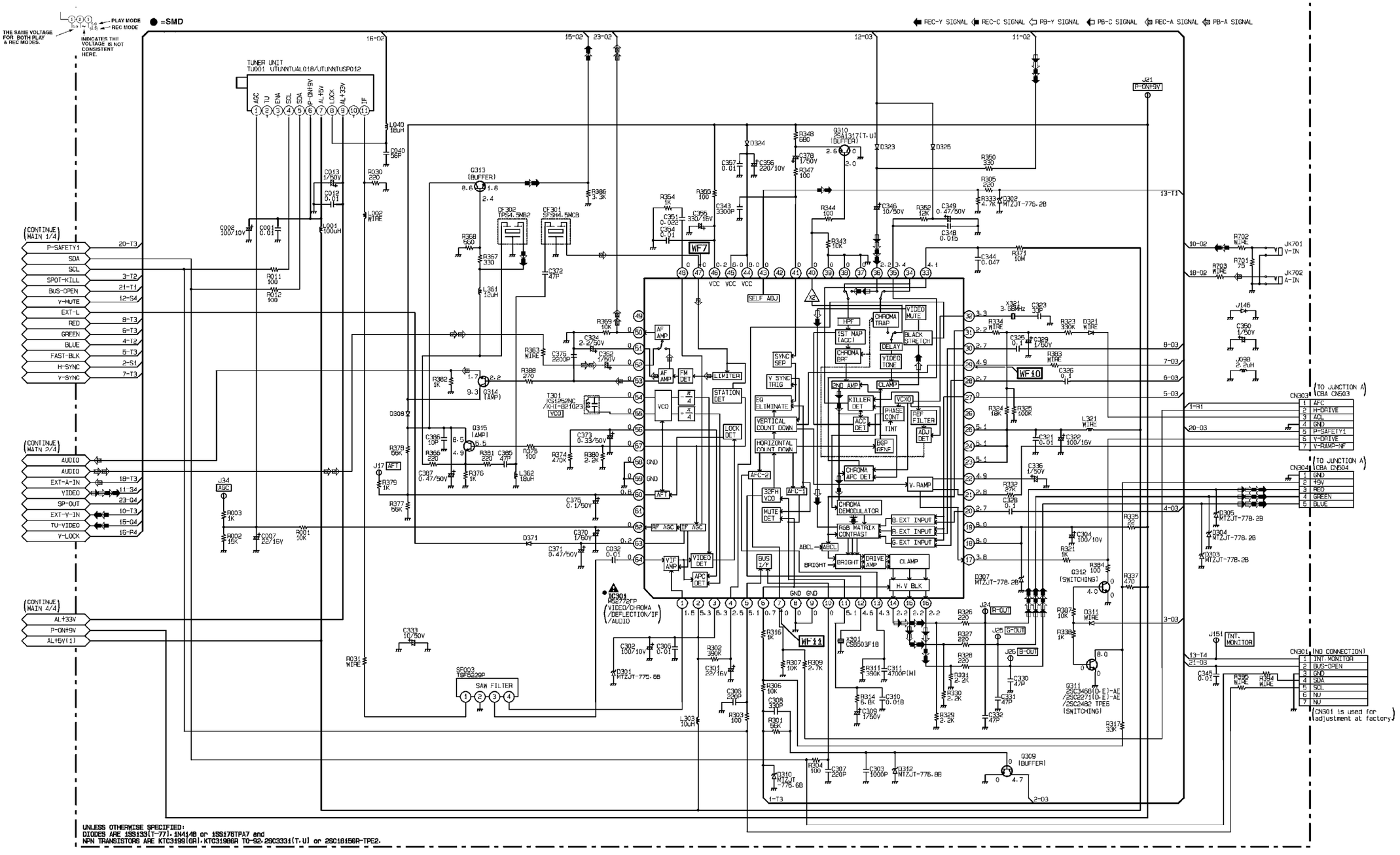
USED ONLY IN MODELS: CCA193AT31 (5866) - MAIN 1/4 SCHEMATIC



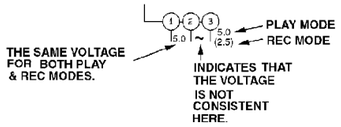
USED ONLY IN MODELS: CCA193AT31 (5866) - MAIN 2/4 SCHEMATIC



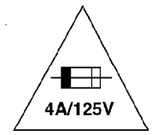
USED ONLY IN MODELS: CCA193AT31 (5866) - MAIN 3/4 SCHEMATIC



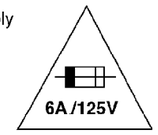
CAUTION!
Fixed voltage power supply circuit is used in this unit.
If Main Fuse (F1601, F1951 is blown, check to see that all components in the power supply circuit are not defective before you connect the AC plug to the AC power supply. Otherwise it may cause some components in the power supply circuit to fail.



NOTE : The voltage for parts in hot circuit is measured using hot GND as a common terminal.

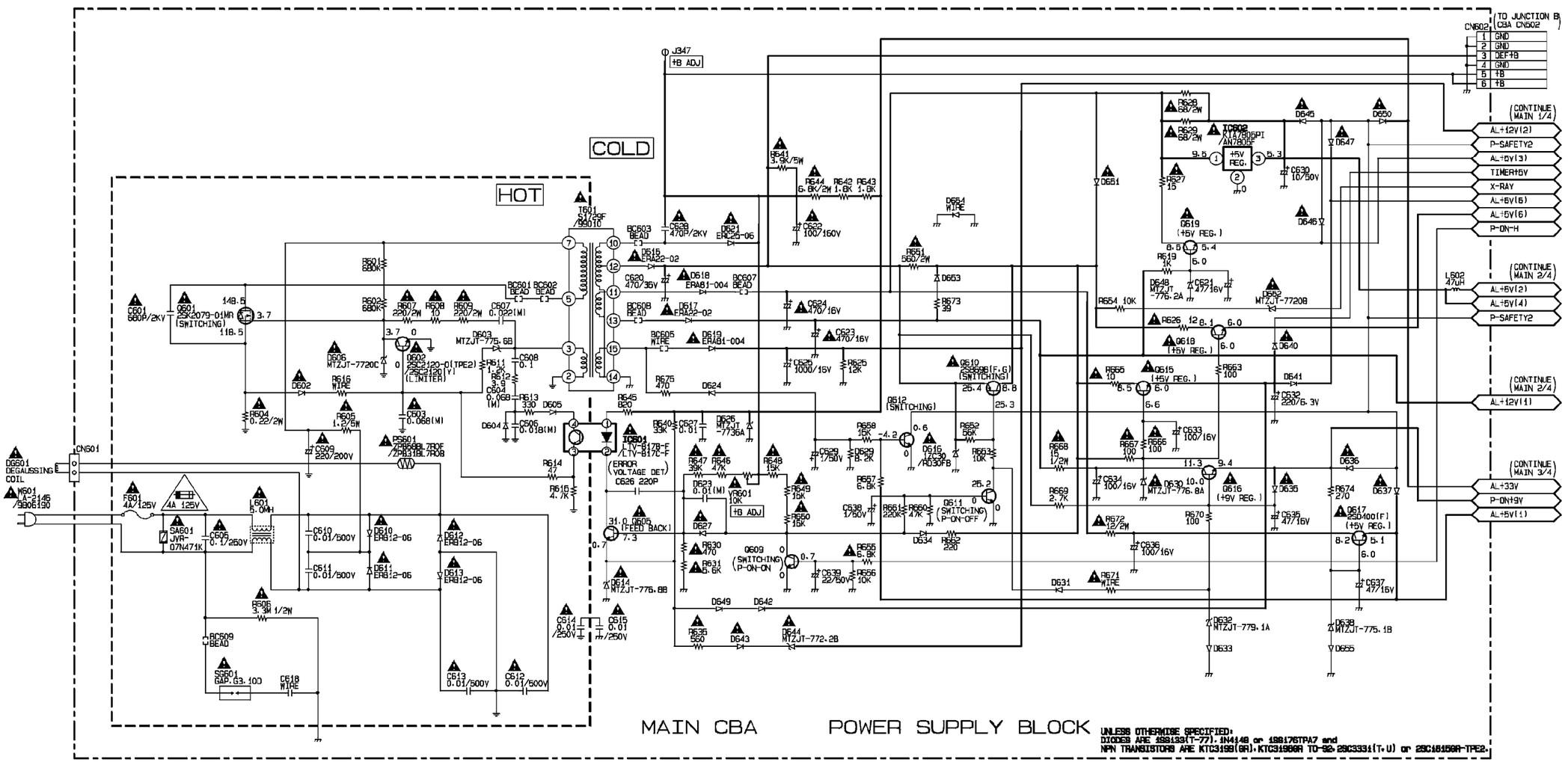


CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE FUSE.
ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQES
D'INCELE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE.
RISK OF FIRE-REPLACE FUSE AS MARKED.
"This symbol means fast operating fuse."
"Ce symbole représente un fusible à fusion rapide."

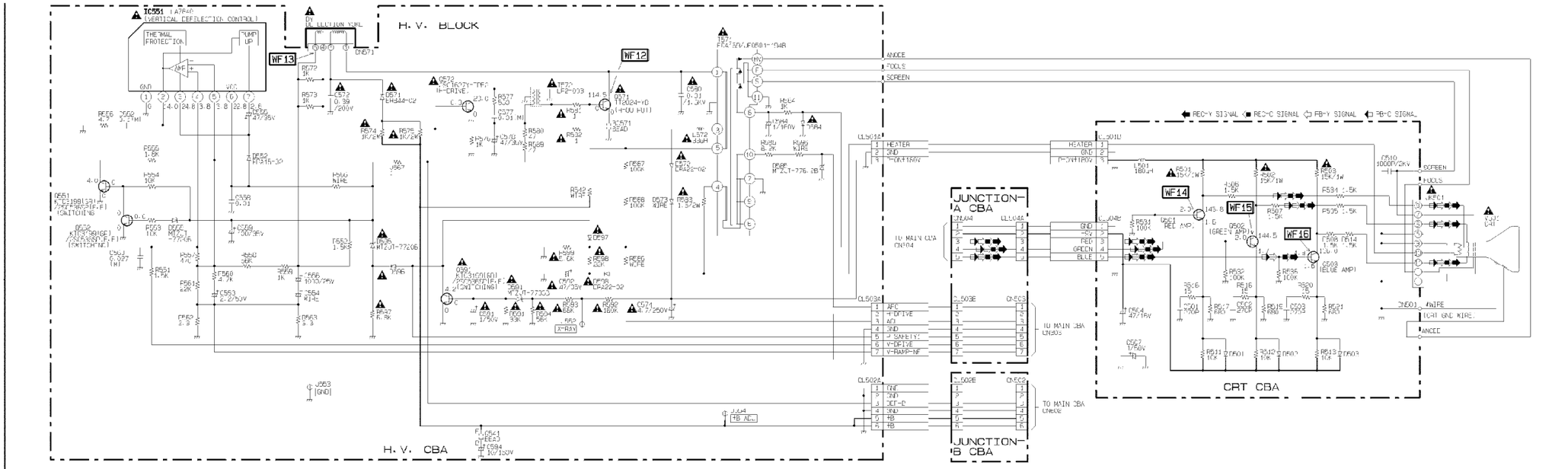


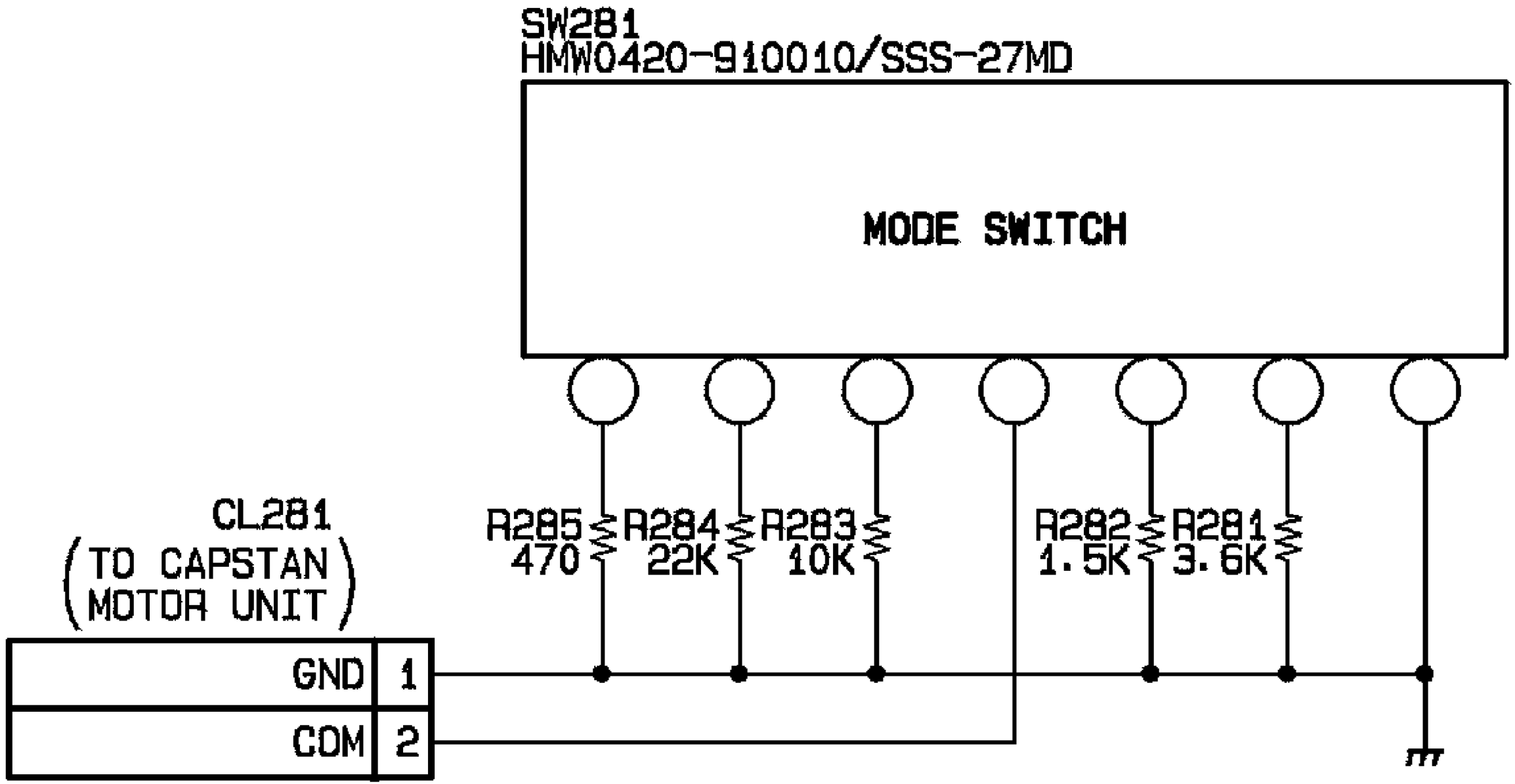
CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE FUSE.
ATTENTION : POUR UNE PROTECTION CONTINUE LES RISQES
D'INCELE N'UTILISER QUE DES FUSIBLE DE MEMO TYPE.
RISK OF FIRE-REPLACE FUSE AS MARKED.
'This symbol means fast operating fuse."
'Ce symbole représente un fusible à fusion rapide."

BECAUSE A HOT CHASSIS GROUND IS PRESENT IN THE POWER SUPPLY CIRCUIT, AN ISOLATION TRANSFORMER MUST BE USED. ALSO, IN ORDER TO HAVE THE ABILITY TO INCREASE THE INPUT SLOWLY, WHEN TROUBLESHOOTING THIS TYPE POWER SUPPLY CIRCUIT, A VARIABLE ISOLATION TRANSFORMER IS REQUIRED.



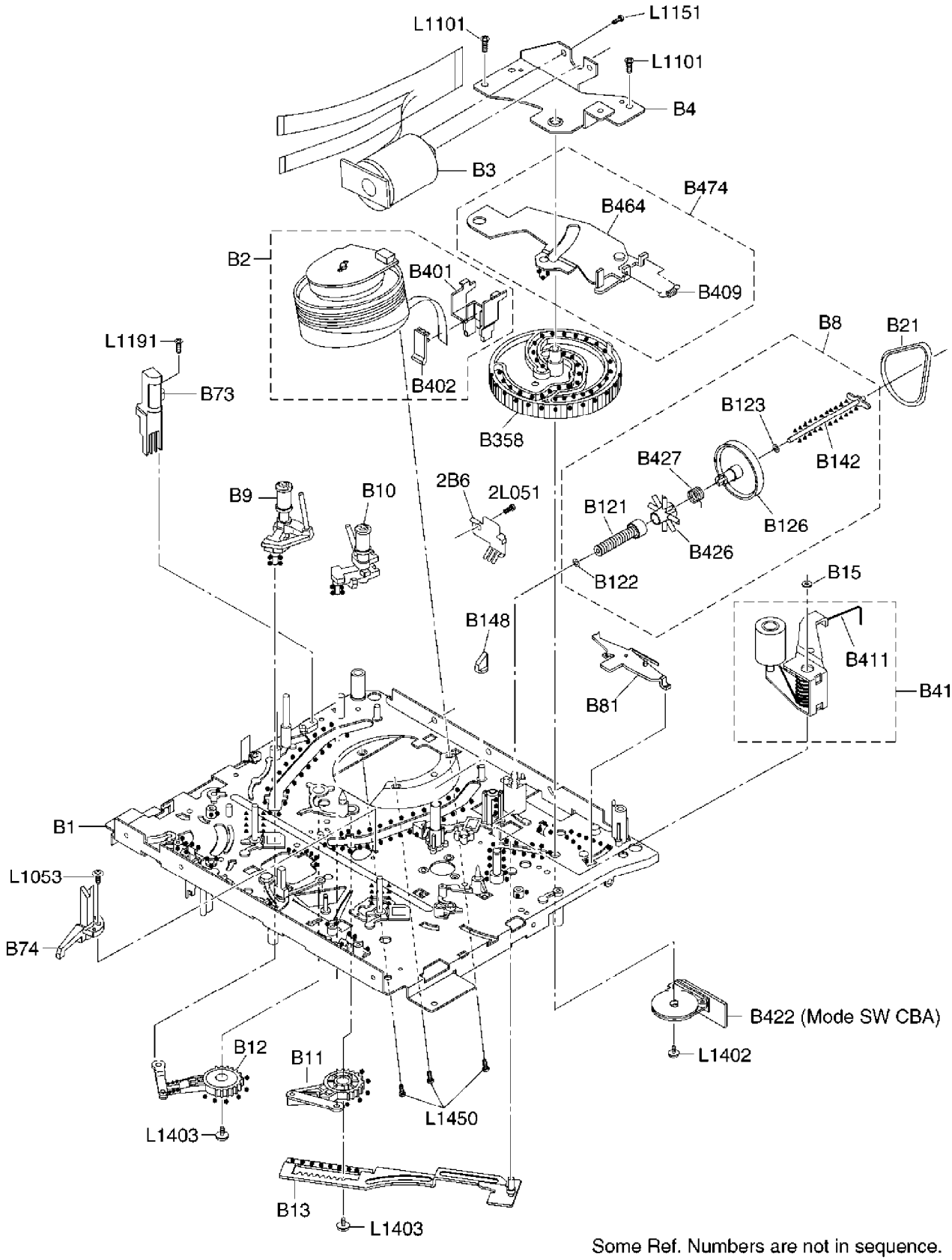
USED ONLY IN MODELS: CCA193AT31 (5866) - HV/CRT SCHEMATIC




SW281
HMW0420-910010/SSS-27MD
MODE SWITCH
R285
470
R284
22K
R283
10K
R282
1.5K
R281
3.6K
CL281
(TO CAPSTAN
MOTOR UNIT)
GND
1
COM
2

Deck Mechanism View 1

Mark	Description	
●●●●●	Floil G-374G	(Blue grease)
▲▲▲▲▲	Hydro-Fluid EP56	(Spindle oil)



Some Ref. Numbers are not in sequence.

Deck Mechanism View 2

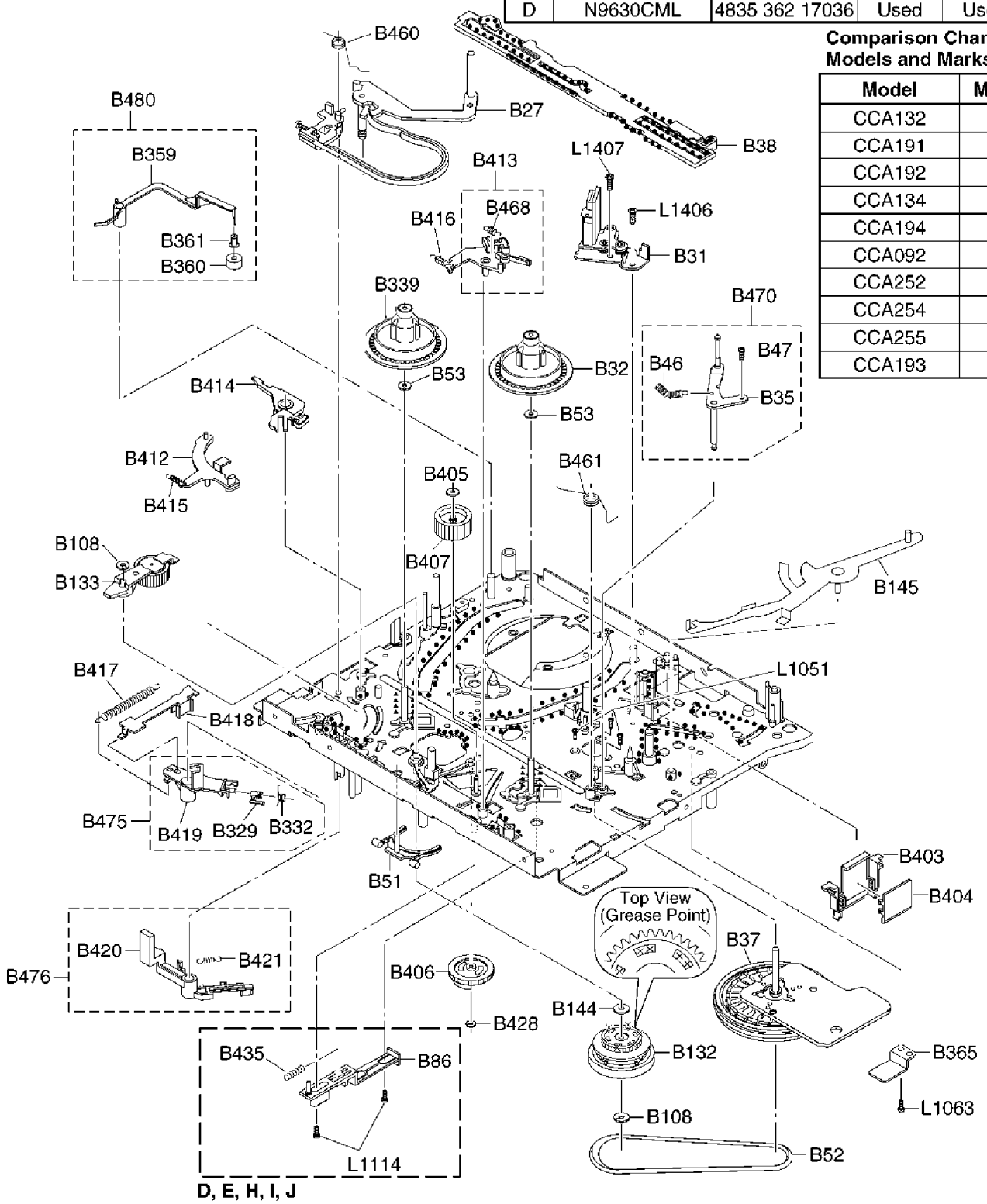
Mark	Description
×××××	Sankol FG-84M (White grease)
●●●●●	Floil G-374G (Blue grease)
▲▲▲▲▲	Hydro-Fluid EP56 (Spindle oil)

Note: Four different, but interchangeable, types of Capstan Motor (B37) may be installed in these models. Based on the type of capstan motor, items B365 and L1063 will be used/not used as shown in the table below.

Type	ID No.	Part No.	B365	L1063
A	MMDZB12SJ007	4835 361 27158	Not used	Not used
B	MMDZB12SJ006	4835 361 27158	Not used	Not used
C	N9620CML	4835 362 17036	Used	Used
D	N9630CML	4835 362 17036	Used	Used

Comparison Chart of Models and Marks

Model	Mark
CCA132	A
CCA191	B
CCA192	C
CCA134	D
CCA194	E
CCA092	F
CCA252	G
CCA254	H
CCA255	I
CCA193	J



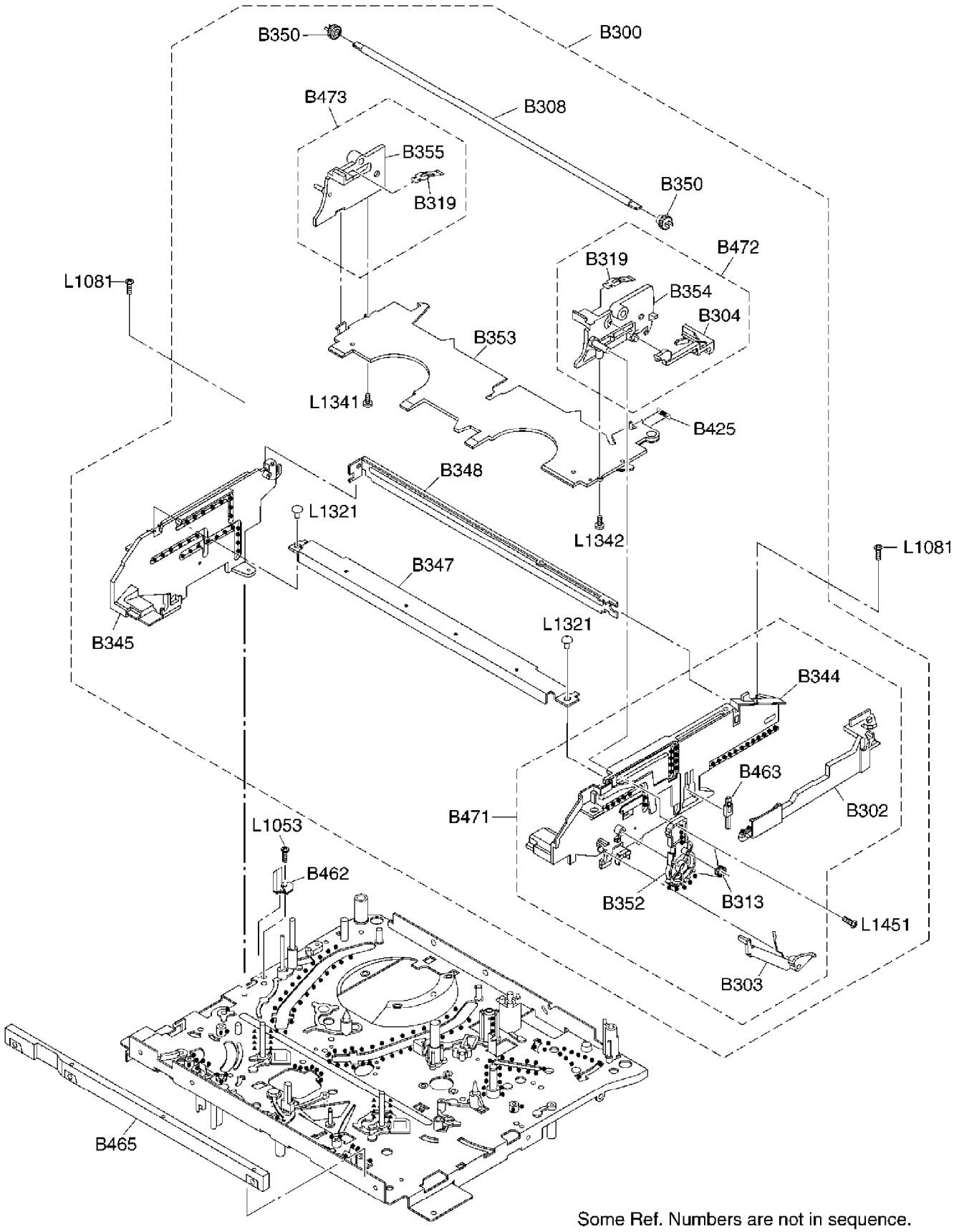
D, E, H, I, J

B359, B360, B361 and B480: See the Mechanical Parts List.

Some Ref. Numbers are not in sequence.

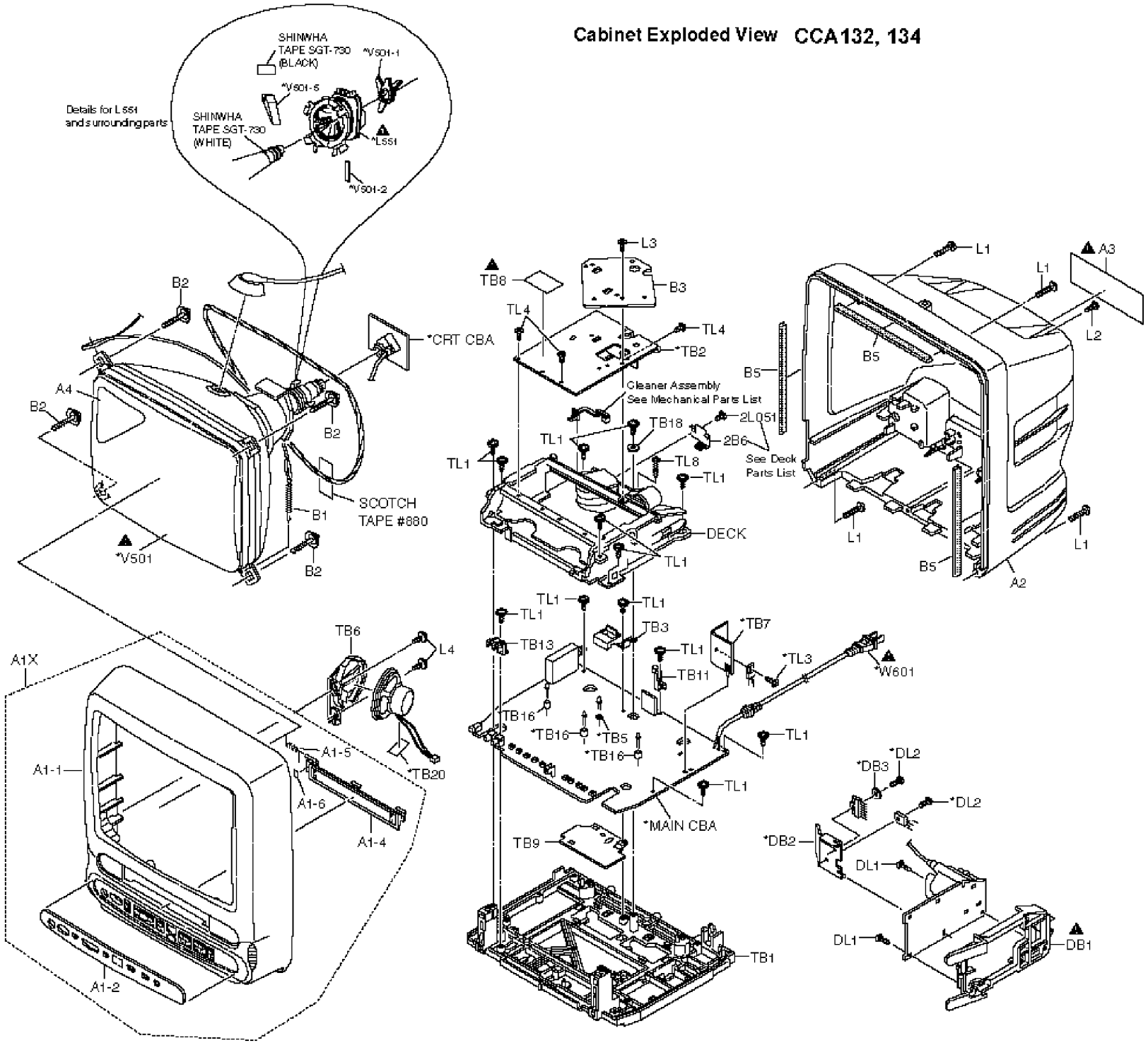
Deck Mechanism View 3

Mark	Description
●●●●●	Floil G-374G (Blue grease)
▲▲▲▲▲	Hydro-Fluid EP56 (Spindle oil)

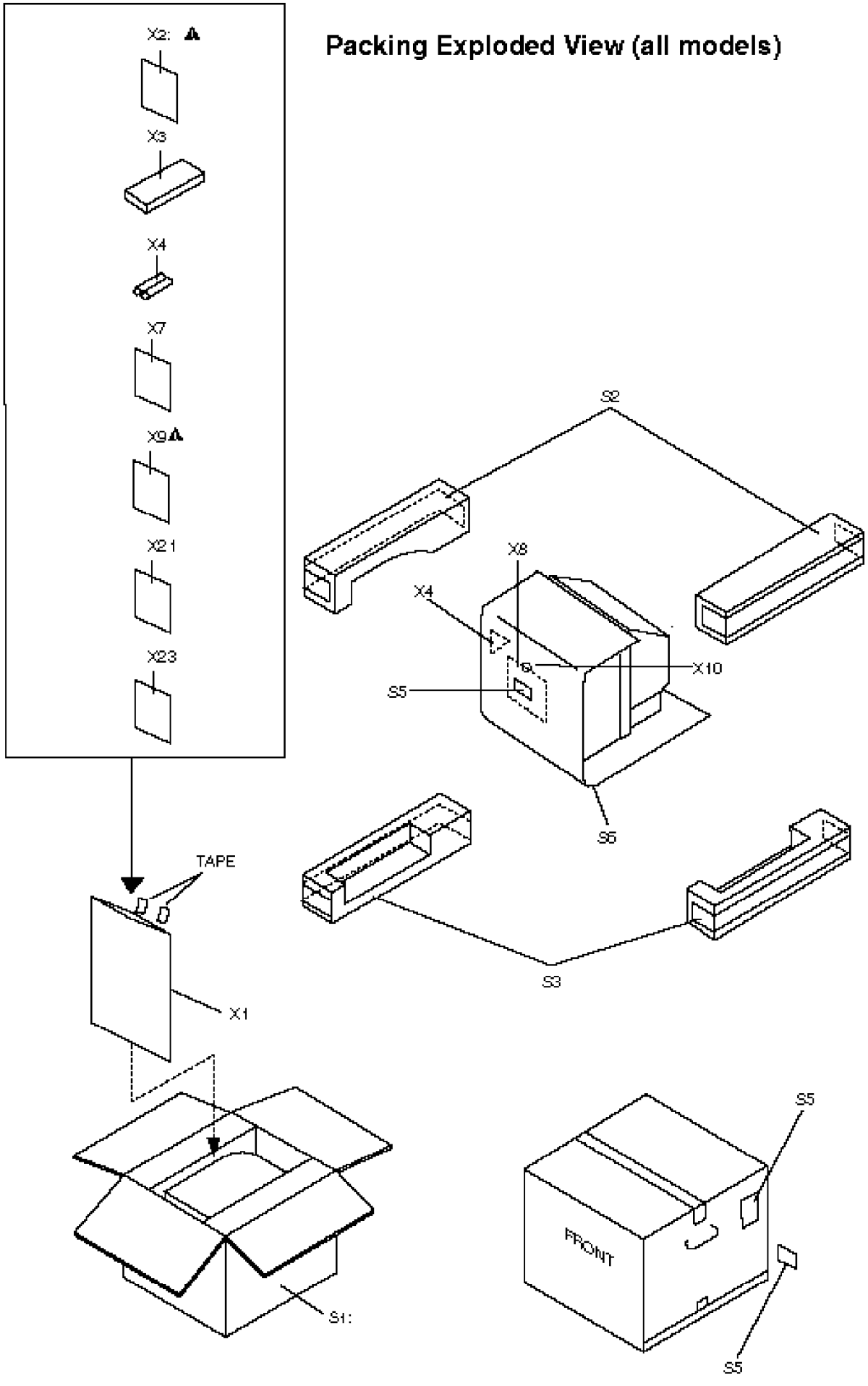


Some Ref. Numbers are not in sequence.

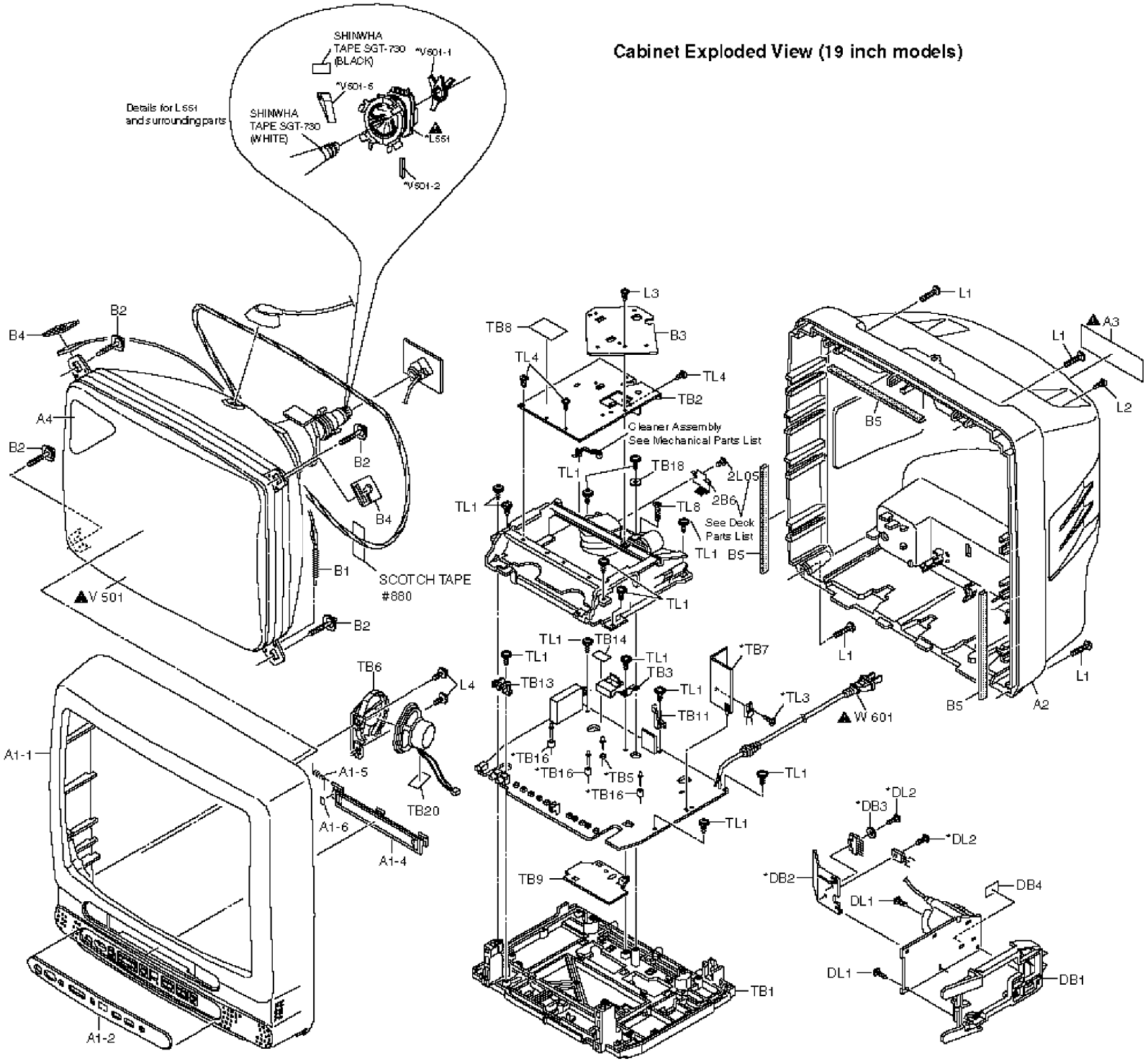
Cabinet Exploded View CCA132, 134



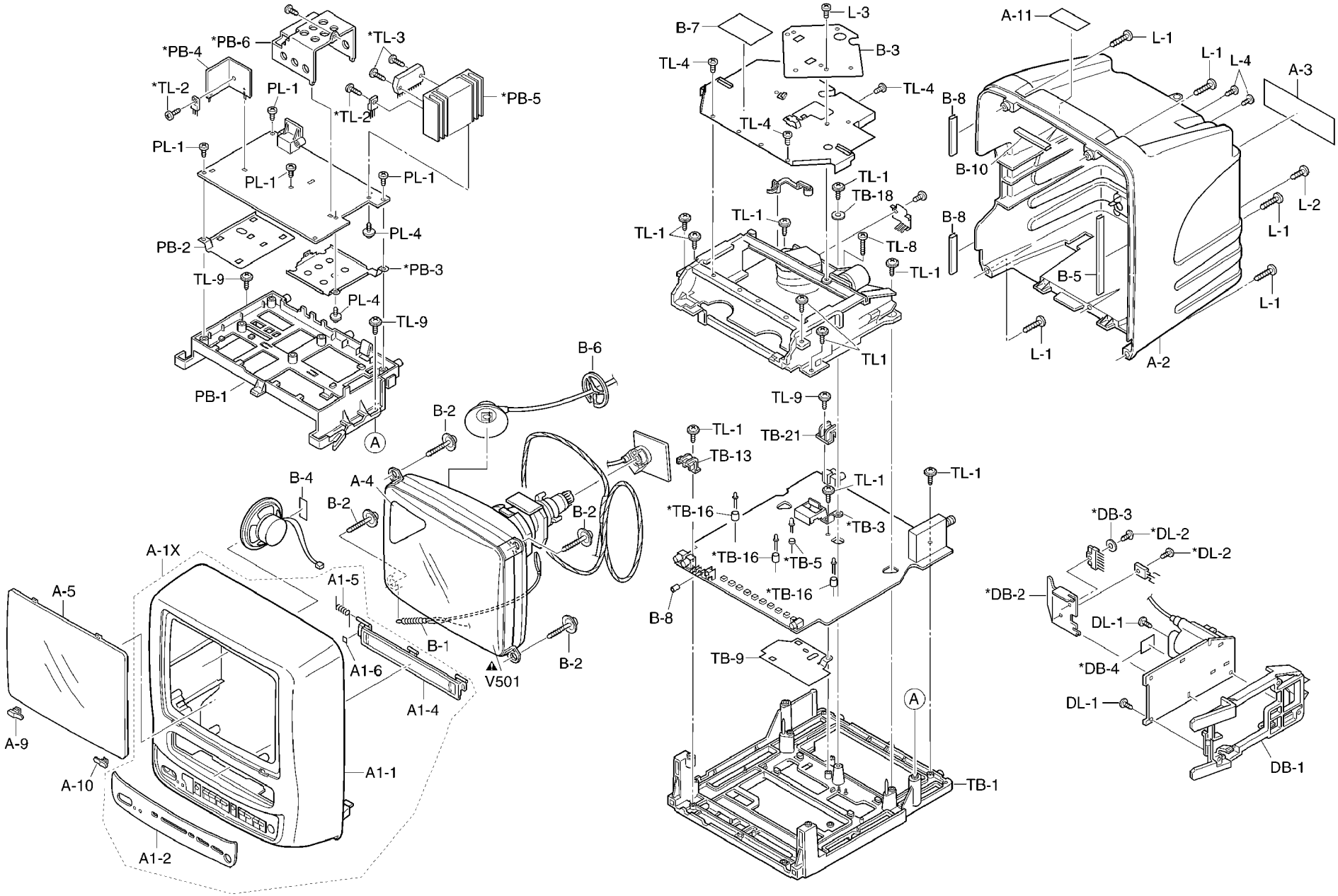
PACKING EXPLODED VIEW (CCA132, 134, 191, 192, 193, 194)



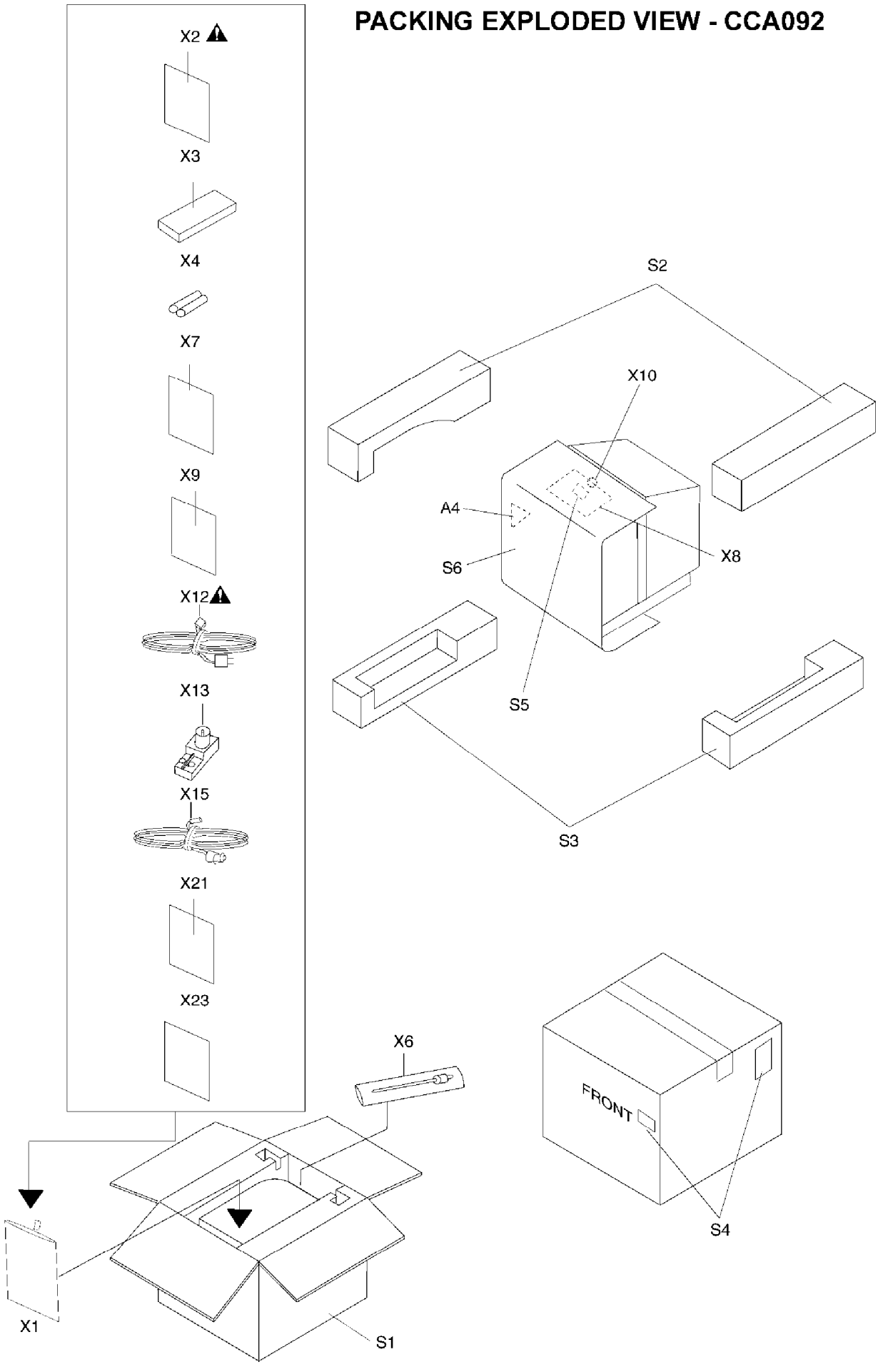
Cabinet Exploded View (19 inch models)



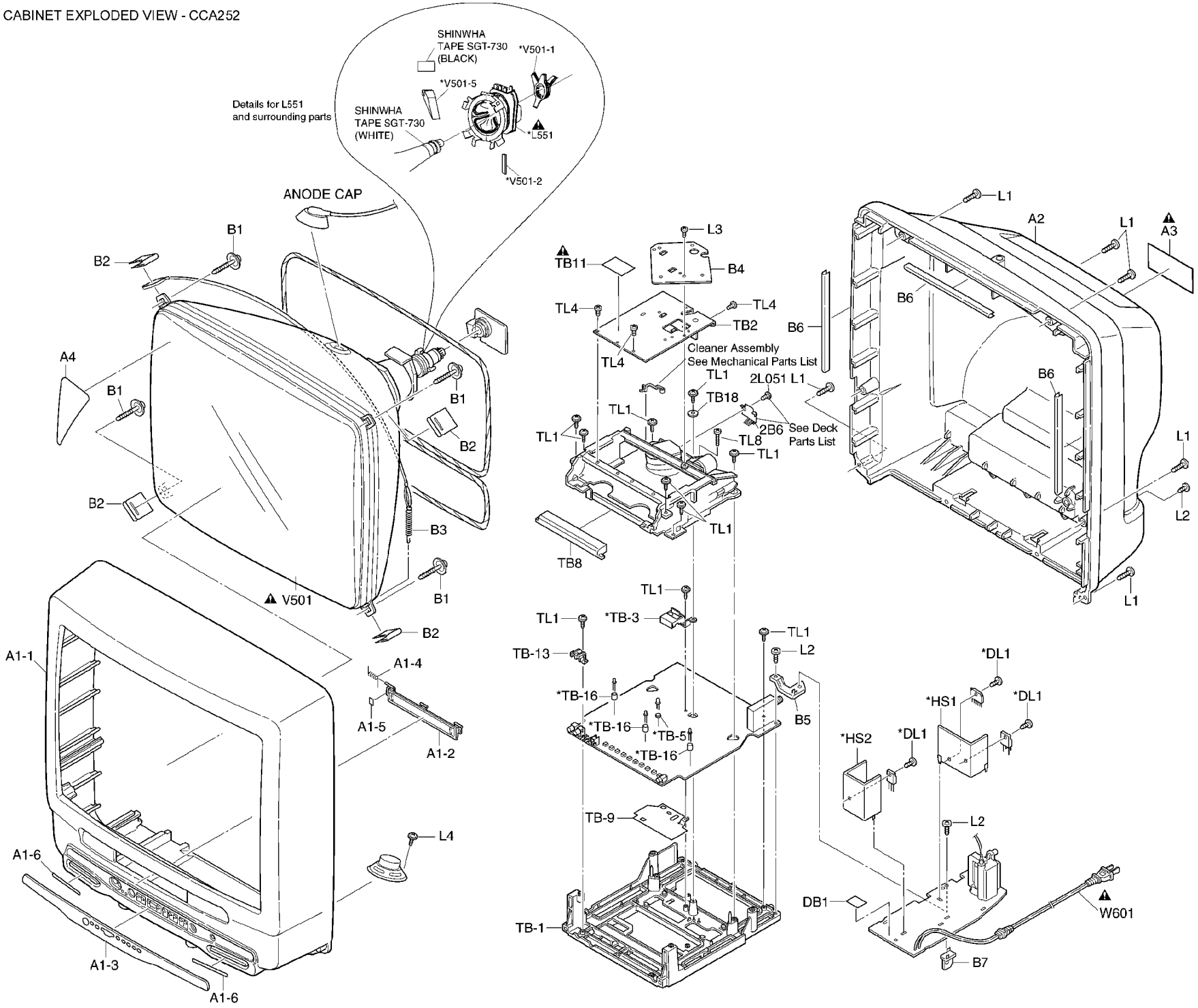
CABINET EXPLODED VIEW - CCA092



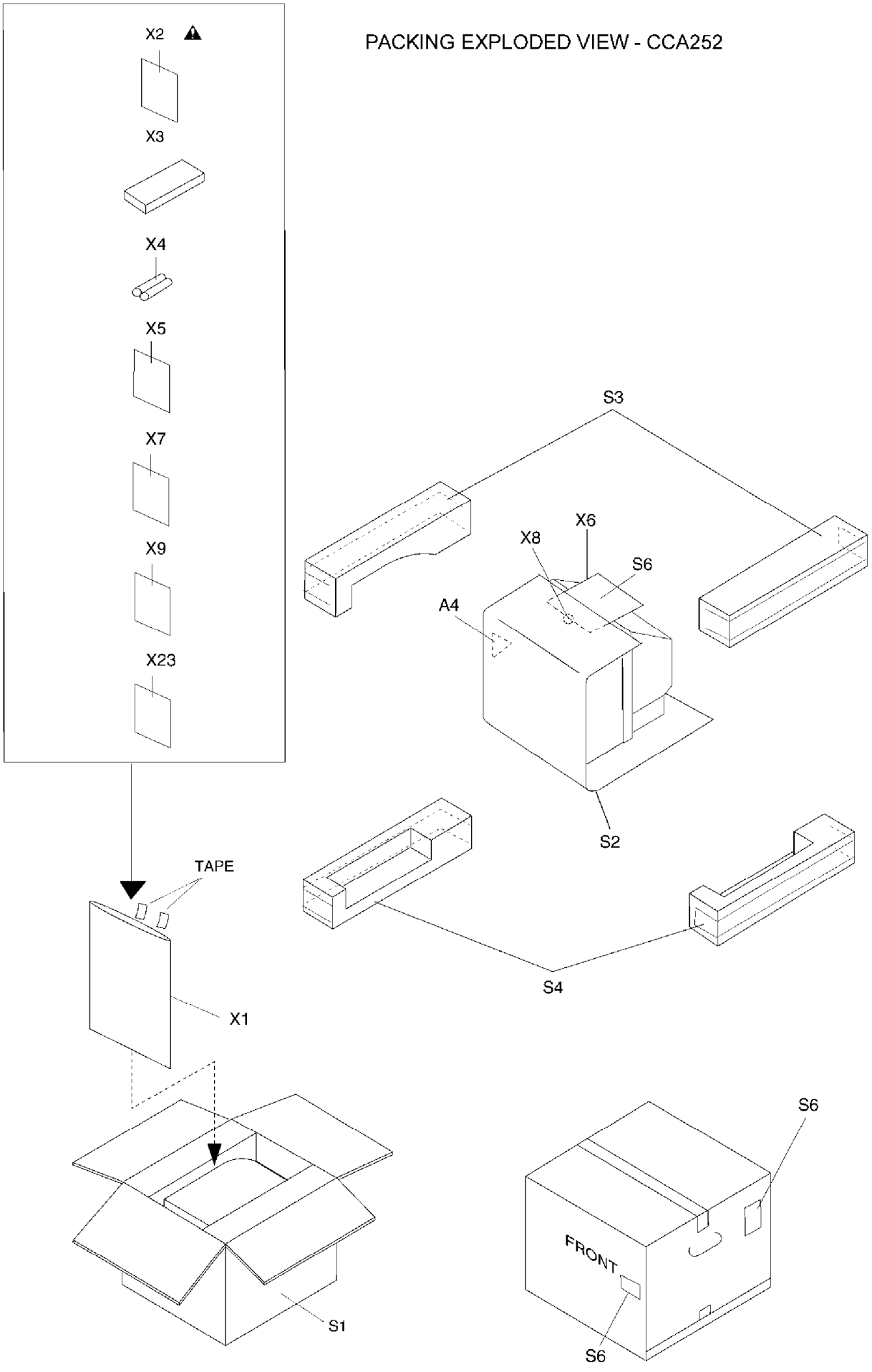
PACKING EXPLODED VIEW (CCA092)



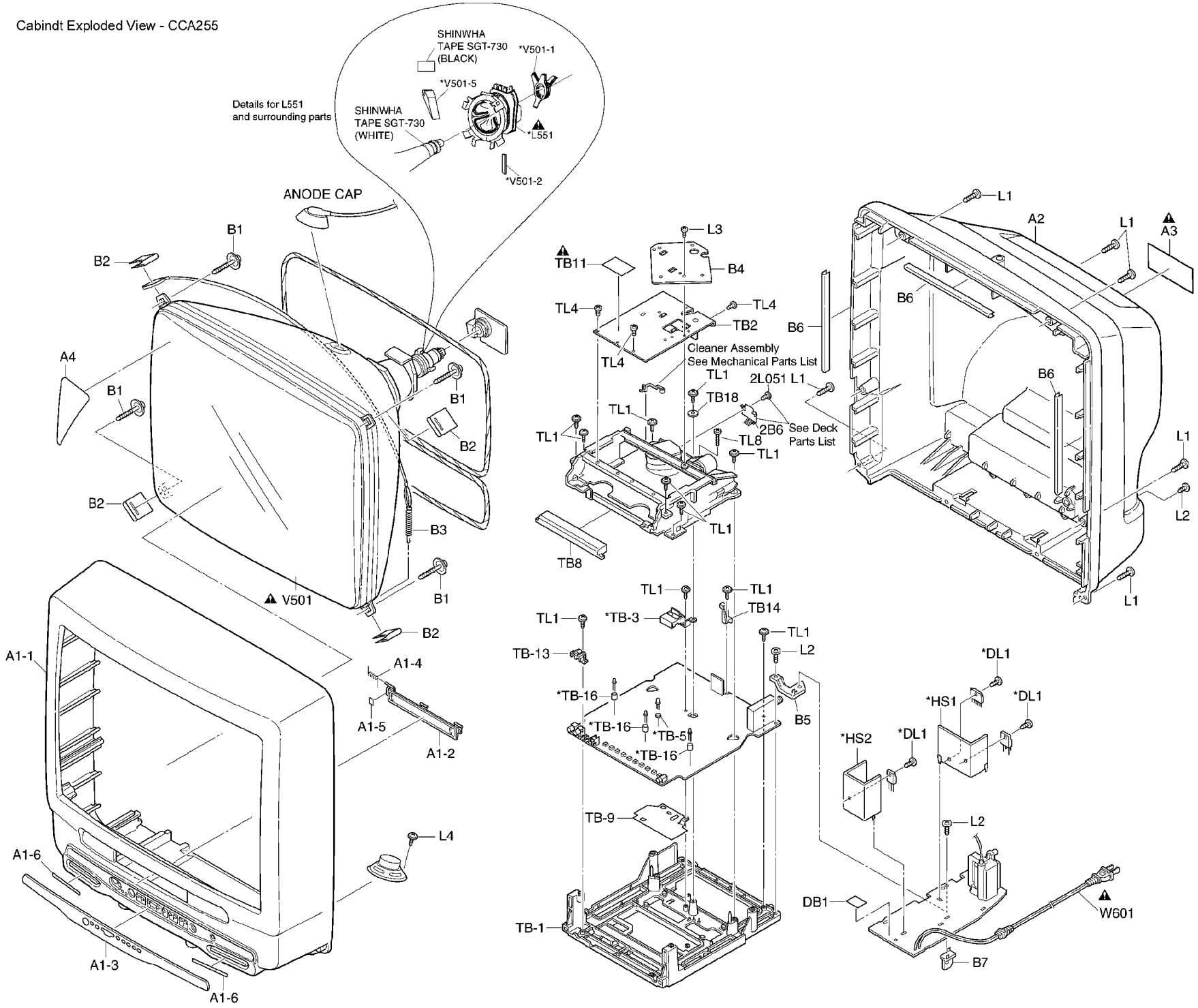
CABINET EXPLODED VIEW - CCA252



PACKING EXPLODED VIEW (CCA252 & CCA255)



Cabindt Exploded View - CCA255



CCA092AT01 - Manual no. 5866

DECK PARTS

	DECK PARTS	
2B6	DECK EARTH PLATE U17	0000 VM4 08662
2L051	SCREW, S-TIGHT M3X5 BIND HEAD+	0000 GBM S3050
B1	CHASSIS ASSEMBLY MK8	0000 VSA 09370
B2	CYLINDER ASSEMBLY(MK8) NTSC 2HD SQPB	4835 691 27306
B3	LOAD MTR ASSEMBLY MK7.	4835 361 27157
B4	MTR HOLDER MK8	4835 256 97343
B8	PULLEY ASSEMBLY MK6.	4835 528 87052
B9	MOVING GUIDE S PREPARATION MK7	4835 402 97757
B10	MOVING GUIDE T PREPARATION MK7	4835 402 97758
B11	LOAD ARM T ASSEMBLY MK7.	4835 464 57446
B12	LOAD ARM S ASSEMBLY MK8.	4835 464 57497
B13	LOAD LEVER ASSEMBLY MK7.	4835 464 57443
B15	LUMIRROhmASHER 3.1X6X0.35.	0000 VM4 03269
B21	LOAD BELT MK6.	4835 358 37149
B27	TENSION LEVER ASSEMBLY MK8	4835 464 57494
B31	AC HEAD ASSEMBLY MK7	4835 249 17013
B32	REEL(T) MK8.	4835 528 17048
B35	TAPE GUIDE ASSEMBLY MK8.	4835 464 57486
B37	CAPSTAN MTR F2QTB36.	4835 361 27158
B38	MODE LEVER MK8	4835 402 97798
B46	TAPE GUIDE ARM SPRING MK6.	000V M40 7704C
B47	ADJUST SCREW M2.6X6(SOD)	0000 VM4 09436
B51	FF ARM MK8	4835 402 97803
B52	CAPSTAN BELT(2) MK6.	4835 358 37148
B53	REEL P.S.W MK8	4835 528 17049
B73	FE HEAD(MK7) HVFHP0019A.	4835 249 17011
B74	PRISM MK8.	4835 464 57479
B81	M LEVER HOLDER MK7	4835 256 97336
B108	P.S.W F.	000V M40 2629A
B121	WORM MK6	4835 522 37344
B122	P.S.W C.	0000 VM4 02626
B123	P.S.W (WORM THRUST).	0000 VM4 03348
B126	PULLEY MK6	4835 528 87049
B132	CLUTCH ASSEMBLY MK8.	4835 464 57496
B133	IDLER ASSEMBLY MK8	4835 464 57495
B142	SHAFT LOCK ASSEMBLY.	4835 464 57248
B144	CLUTCHohmASHER MK2	0000 VM4 04428
B145	MAIN LEVER ASSEMBLY MK7.	4835 464 57444
B148	TG CAP MK6	4835 402 97804
B300	FL ASSEMBLY MK8.	4835 130 97103
B302	RACK MK8	4835 402 97799
B303	FRONT DOOR OPENER MK7.	4835 402 97817
B304	DOOR OPENER MK7.	4835 402 97818
B308	SLIDER SHAFT MK8	0000 VM4 09335
B313	DR GEAR SPRING MK7	4835 522 37367
B319	CASSETTE SPRING MK8.	0000 VM4 09333
B329	HOLDER KICK ARM N MK6.	000V M30 2956B
B332	HOLDER ARM SPRING MK6.	000V M40 8062B
B339	REEL(S) MK8.	4835 528 17047
B344	CASSETTE GUIDE R MK8	4835 402 97797
B345	CASSETTE GUIDE L MK8	4835 402 97796
B347	GUIDE HOLDER(F) MK8.	4835 256 97342
B348	GUIDE HOLDER R MK8	4835 256 97341
B350	SLIDER GEAR MK8.	4835 522 37368
B352	CASSETTE DR GEAR(N) MK6.	4835 522 37354
B353	CASSETTE PLATE SUB ASSEMBLY MK8.	4835 464 57491
B354	SLIDER(R) MK8.	4835 466 47055
B355	SLIDER(L) MK8.	4835 466 47054
B358	CAM MK7.	4835 528 37038
B365	RADIATOR PLATE MK7	0000 VM4 08563
B401	VH CONNECTOR 4A MK7.	0000 VM3 03174
B402	VH CONNECTOR 4B MK6.	0000 VM4 07671
B403	ACH CONNECTOR A MK7.	4835 402 97801
B404	ACH CONNECTOR B MK7.	0000 VM4 08582
B405	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B406	SENSOR GEAR MK7.	4835 522 37369
B407	M GEAR MK6	4835 522 37345
B409	EJECT SPRING MK7	0000 VM4 08716
B410	PINCH ROLLER ASSEMBLY MK8.	4835 464 57493
B411	PINCH SPRING MK8	0000 VM4 09340
B412	S BRAKE LEVER MK7.	4835 402 97794
B413	M BRAKE T SUB ASSEMBLY MK7	4835 464 57484
B414	M BRAKE S ASSEMBLY MK7	4835 464 57438
B415	S BRAKE L SPRING MK7	0000 VM4 08556
B416	M BRAKE T SPRING MK7	0000 VM4 08588
B417	TENSION SPRING MK8	0000 VM4 09452
B418	TENSION PLATE MK8.	0000 VM4 09451
B419	BT ARM MK7	4835 402 97752
B420	REC ARM MK7.	4835 402 97754
B421	REC ARM SPRING MK6	000V M40 7708D
B425	LOCK LEVER SPRING MK7.	0000 VM4 08555
B426	KICK PULLEY MK6.	4835 528 87053
B427	KICK SPRING MK6.	0000 VM4 07701
B428	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B435	F BRAKE SPRING MK7	000V M40 8722A
B460	BT SPRING MK7.	0000 VM4 08551
B461	MAIN LEVER SPRING MK8.	0000 VM4 09494
B462	PRISM(L2) MK8.	4835 464 57482
B463	PRISM(R2) MK7.	4835 464 57481
B464	CASSETTE DR LEVER SUB ASSEMBLY MK7	4835 464 57445
B465	INSULATION COVER MK8	0000 VM3 03517
B468	SOFT SPRING A MK7.	0000 VM4 09214
B470	TAPE GUIDE ARM ASSEMBLY MK8.	4835 464 57485
B471	CASSETTE GUIDE R ASSEMBLY MK8.	4835 464 57487
B472	SLIDER R ASSEMBLY MK8.	4835 464 57488
B473	SLIDER L ASSEMBLY MK8.	4835 464 57489
B474	CASSETTE DR LEVER ASSEMBLY MK7	4835 402 97786
B475	BT ARM ASSEMBLY MK7.	4835 402 97787
B476	REC ARM ASSEMBLY MK7	4835 402 97788
L1051	SCREW, S-TIGHT M2.6X6 PAN HEAD +	0000 GPM S9060
L1053	SCREW PRISM MK7.	0000 VM4 09038
L1063	SCREW, S-TIGHT M2.6X4 PAN HEAD +	0000 GPM S9040
L1081	SCREW, S-TIGHT M3X6 BIND HEAD+	0000 GBM S3060
L1101	SCREW, P-TIGHT 3X10 BIND HEAD+	0000 GBM P3100
L1151	SCREW, SEMS M3X4 PAN HEAD +.	0000 CPM 33040
L1191	SCREW, P-TIGHT M2.6X12ohmASHER HEAD+	0000 GCM P9120
L1321	SCREW, P-TIGHT 3X8 BIND HEAD+.	0000 GBM P3080
L1341	SCREW, P-TIGHT M2.6X8 BIND HEAD+	0000 GBM P9080
L1342	SCREW, P-TIGHT M2.6X6 BIND HEAD+	0000 GBM P9060
L1402	SCREW, P-TIGHT M2X6ohmASHER HEAD+.	0000 GCM P2060
L1403	SCREW, P-TIGHT M3X10ohmASHER HEAD+	0000 GCM P3100
L1406	SCREW, S-TIGHT M2.6X4 CUP HEAD+.	0000 GCM S9040
L1407	SCREW, S-TIGHT M2.6X8 PAN HEAD +	0000 GPM S9080
L1450	SCREW, SEMS M2.6X5 PAN HEAD+	0000 CPM 39050
L1451	SCREW:SLIDER R MK7	0000 VM4 08853

Mode SW CBA (SWV)

	Mode SW CBA (SWV)	
B422	Mode SW CBA (SWV).	0000 VSA 09408
CL281	PARALLELohmIRE 2P AWG26/GREY/UL2651.	WX1N 800 2-001
R281	CARBON RES. 1/4W 3.6K ohm ‘2%.	4835 110 57373
R282	CARBON RES. 1/4W 1.5Kohm ‘2%	4835 110 57186
R283	CARBON RES. 1/4W 10Kohm ‘2%.	4835 110 57214
R284	CARBON RES. 1/4W 22Kohm ‘2%.	4835 110 57283
R285	CARBON RES. 1/4W 470 ohm ‘2%	4835 110 57167
SW281	MODE SWITCH HMW0420-910010	4835 276 17326

Main CBA

Main CBA

Main CBA

	Main CBA	
	Main CBA	0000 ESA 02973
C001	CER CAP.(AX)0.01mF/25V +20/-80%(F).	4835 125 17009
C002	ELECT 100mF/10V ±20%	4835 124 47323
C007	ELECT 22mF/16V ±20%.	4835 124 47175
C012	CER CAP.(AX)0.01mF/50V ±10% (B).	CCA1 JKT 0B103
C013	ELECT 1mF/50V ±20%	4835 124 47014
C032	CER CAP.(AX)0.01mF/25V +20/-80% (F).	4835 125 17009
C040	CER CAP.(AX) 56pF/50V ±5% (SL)	4835 122 47053
C201	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C203	CER CAP.(AX) 0.047mF/16V +20/-80% (F).	4835 122 47603
C204	ELECT 0.47mF/50V ±20%.	4835 124 47155
C205	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C208	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C209	CER CAP.(AX) 0.01mF/25V +20/-80% (F)	4835 125 17009
C211	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C213	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C215	CER CAP.(AX) 0.022mF/25V +20/-80% (F).	4835 122 47214
C216	ELECT 1mF/50V ±20% H7.	4835 124 47045
C218	CER CAP.(AX) 10pF/50V ±5% (CH)	4835 122 47003
C219	CER CAP.(AX) 15pF/50V ±5% (CH)	4835 122 47085
C220	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C221	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C223	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C225	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C231	ELECT 47mF/16V ±20% H7	4835 124 47073
C240	ELECT 22mF/16V ±20% H7	4835 124 47128
C241	CER CAP.(AX) 0.01mF/25V +20/-80% (F)	4835 125 17009
C242	CER CAP.(AX) 220pF/50V ±10% (B).	4835 122 47006
C243	ELECT 1mF/50V ±20% H7.	4835 124 47045
C244	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C245	CER CAP.(AX) 560pF/50V ±10% (B).	4835 122 47206
C250	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C251	CER CAP.(AX) 20pF/50V ±5% (SL)	4835 122 47547
C252	CER CAP.(AX) 20pF/50V ±5% (SL)	4835 122 47547
C253	CER CAP.(AX) 20pF/50V ±5% (SL)	4835 122 47547
C256	CER CAP.(AX) 0.047mF/16V +20/-80% (F).	4835 122 47603
C258	ELECT 47mF/16V ±20% H7	4835 124 47073
C259	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C264	CER CAP.(AX) 6800pF/16V ±10% (X)	4835 122 97078
C265	CER CAP.(AX) 0.047mF/16V +20/-80% (F).	4835 122 47603
C277	ELECT 22mF/16V ±20%.	4835 124 47175
C278	CER CAP.(AX) 0.1mF/50V +20/-80% (F).	4835 122 47162
C279	ELECT 10mF/50V ±20%.	4835 124 47202
C280	ELECT 22mF/16V ±20%.	4835 124 47175
C281	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C283	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C284	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C285	ELECT 22mF/16V ±20% H7	4835 124 47128
C286	ELECT 47mF/16V ±20% H7	4835 124 47073
C287	CER CAP.(AX) 0.022mF/25V +20/-80% (F).	4835 122 47214

S = Safety Part Be sure to use exact replacement part.

CCA092AT01 (continued)

C288	ELECT 22mF/16V ±20% LL H7.	4835 124 47175
C290	CER CAP.(AX) 0.022mF/25V +20/-80% (F).	4835 122 47214
C291	CER CAP.(AX) 0.01mF/16V ±10% (Y) . . .	4835 122 47552
C292	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C293	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C294	ELECT 22mF/16V ±20% H7	4835 124 47128
C296	CER CAP.(AX) 0.047mF/16V +20/-80% (F).	4835 122 47603
C299	ELECT 47mF/16V ±20% H7	4835 124 47073
C301	ELECT 22mF/16V ±20%.	4835 124 47175
C302	ELECT 220mF/6.3V ±20%.	4835 124 47168
C303	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C304	ELECT 100mF/10V ±20%	4835 124 47323
C305	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C308	CER CAP.(AX) 330pF/50V ±10% (B). . . .	4835 122 47047
C309	ELECT 1mF/50V ±20%	4835 124 47014
C310	CER CAP.(AX) 0.018mF/6V ±20% (Y) . . .	4835 122 47693
C311	*MYLAR CAP. 0.01mF/50V ±5% TV.	4835 121 47461
C321	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C322	ELECT 100mF/16V ±20% H7.	4835 124 47033
C323	CER CAP.(AX) 100pF/50V ±10% (B). . . .	4835 122 47014
C324	ELECT 2.2mF/50V ±20%	4835 124 47086
C325	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C326	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C328	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C329	ELECT 1mF/50V ±20%	4835 124 47014
C330	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C331	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C332	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C336	ELECT 1mF/50V ±20% LL.	4835 124 47305
C343	CER CAP.(AX) 3300pF/16V ±10% (X) . . .	4835 122 47475
C344	CER CAP.(AX) 0.047mF/16V +20/-80% (F).	4835 122 47603
C345	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C346	ELECT 10mF/50V ±20%.	4835 124 47202
C347	ELECT 10mF/50V ±20% H7	4835 124 47202
C348	CER CAP.(AX) 0.015mF/6V ±20% (Y) . . .	4835 122 47675
C349	ELECT 0.47mF/50V ±20% H7	4835 124 47155
C351	CER CAP.(AX) 0.022mF/6V *N (Y)	4835 122 47694
C354	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C355	ELECT 330mF/16V ±20%	4835 124 47008
C356	ELECT 220mF/10V ±20%	4835 124 47292
C357	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C362	ELECT 1mF/50V ±20% H7.	4835 124 47045
C370	ELECT 1mF/50V ±20%	4835 124 47014
C371	ELECT 0.47mF/50V ±20%.	4835 124 47155
C372	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C373	ELECT 0.33mF/50V ±20%.	4835 124 47544
C375	ELECT 0.1mF/50V ±20%	4835 124 47048
C376	CER CAP.(AX) 3300pF/16V ±10% (X) . . .	4835 122 47475
C378	ELECT 1mF/50V ±20% H7.	4835 124 47045
C385	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C386	CER CAP.(AX) 10pF/50V ±5% (SL)	4835 122 47003
C387	ELECT 0.47mF/50V ±20%.	4835 124 47155
C401	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C402	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C403	CER CAP.(AX) 0.012mF/6V ±20% (Y) . . .	4835 122 47692
C404	ELECT 10mF/16V ±20% H7	4835 124 47268
C405	ELECT 4.7mF/25V ±20% H7.	4835 124 47481
C406	CER CAP.(AX) 2700pF/16V ±10% (X) . . .	4835 122 47538
C407	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C408	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C410	ELECT 1mF/50V ±20% H7.	4835 124 47045
C411	ELECT 100mF/6.3V M H7.	4835 124 47263
C412	CER CAP.(AX) 0.022mF/25V +20/-80% (F).	4835 122 47214
C414	CER CAP.(AX) 390pF/50V ±10% (B). . . .	4835 122 47041
C415	CER CAP.(AX) 18pF/50V ±5% (SL)	4835 122 47086
C416	CER CAP.(AX) 180pF/50V ±10% (B). . . .	4835 122 17015
C417	CER CAP.(AX) 22pF/50V ±5% (SL)	4835 122 37016
C418	ELECT 1mF/50V ±20% H7.	4835 124 47045
C420	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C421	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C422	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C425	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C427	ELECT 0.1mF/50V ±20% H7.	4835 124 47048
C429	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C430	ELECT 10mF/16V ±20% H7	4835 124 47268
C431	ELECT 1mF/50V ±20% H7.	4835 124 47045
C432	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C434	CER CAP.(AX) 0.022mF/25V +20/-80% (F).	4835 122 47214
C435	ELECT 1mF/50V ±20% H7.	4835 124 47045
C436	ELECT 1mF/50V ±20% H7.	4835 124 47045
C437	ELECT 1mF/50V ±20% H7.	4835 124 47045
C438	ELECT 22mF/6.3V ±20%	4835 124 47238
C440	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C441	CER CAP.(AX) 820pF/50V ±10% (B). . . .	4835 122 47405
C443	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C444	CER CAP.(AX) 0.022mF/25V +20/-80% (F).	4835 122 47214
C445	ELECT 47mF/6.3V ±20%	4835 124 47265
C446	CER CAP.(AX) 0.033mF/16V +20/-80% (F).	4835 122 47288
C447	CER CAP.(AX) 0.022mF/25V +20/-80% (F).	4835 122 47214
C448	ELECT 100mF/6.3V ±20% H7	4835 124 47263
C450	ELECT 1mF/50V ±20% H7.	4835 124 47045
C451	ELECT 1mF/50V ±20% H7.	4835 124 47045
C452	CER CAP.(AX) 3900pF/16V ±10% (X) . . .	4835 122 47677
C453	ELECT 1mF/50V ±20% H7.	4835 124 47045
C454	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C455	ELECT 0.47mF/50V ±20% H7	4835 124 47155
C456	ELECT 10mF/16V ±20% H7	4835 124 47268
C460	CER CAP.(AX) 0.047mF/16V +20/-80% (F).	4835 122 47603
C461	CER CAP.(AX) 0.047mF/16V +20/-80% (F).	4835 122 47603
C463	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C464	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C465	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C467	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C468	ELECT 33mF/6.3V ±20% H7.	4835 124 47169
C471	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C476	ELECT 4.7mF/25V ±20% H7.	4835 124 47481
C477	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C478	CER CAP.(AX) 0.022mF/25V +20/-80% (F).	4835 122 47214
C480	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C481	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C483	CER CAP. 470pF/100V ±10% (B)	4835 122 47691
C484	FILM CAP.(P) 0.018mF/100V ±5% TV . . .	4835 124 47665
C490	ELECT 10mF/16V ±20% H7	4835 124 47268
C495	ELECT 1mF/50V ±20% H7.	4835 124 47045
C496	CER CAP.(AX) 0.01mF/16V ±10% (Y) . . .	4835 122 47552
C497	CER CAP.(AX) 2200pF/25V ±10% (X). . .	4835 122 47437
C498	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C499	ELECT 47mF/6.3V.	4835 124 47265
C621	ELECT 47mF/16V ±20%.	4835 124 47073
C630	ELECT 10mF/50V ±20%.	4835 124 47202
C632	ELECT 220mF/6.3V ±20%.	4835 124 47168
C636	ELECT 100mF/16V ±20%	4835 124 47033
C637	ELECT 47mF/16V ±20% H7	4835 124 47073
C801	SEMI CAP 0.033mF/25V ±10% (YR)	4835 122 47288
C802	ELECT 0.47mF/50V ±20% H7	4835 124 47155
C803	ELECT 47mF/10V ±20% H7	4835 124 47154
C805	ELECT 330mF/16V ±20%	4835 124 47008
C807	ELECT 470mF/16V ±20%	4835 124 47286
C808	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C809	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C810	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S CN202	CONNECTOR 8P TMC-J08P-A1	J3TM A08 TG002
CN301	CONNECTOR BASE 5P TUC-P05P-B1.	J3TU A05 TG001
CN303	CONNECTOR BASE 7P TUC-P07P-B1.	J3TU A07 TG001
CN304	CONNECTOR BASE 5P TUC-P05P-B1.	J3TU A05 TG001
CN471	FFC CONNECTOR BASE TOP 4P 9604S-04C. .	JC04 J04 ER002
S CN603	CONNECTOR BASE 15P TUC-P15P-B1	J3TU A15 TG001
CN802	STRAIGHT CONNECTOR BASE.	J383 C02 UG002
S CN851	FFC CONNECTOR BASE TOP 17P 9604S-17C .	JC04 J17 ER002
S CN852	CABLE CONNECTOR 2P TMC-E02X-A1	4835 263 97018
CN991	STRAIGHT PIN HEADER 2P IL-S- 2P-S2T2-EF	0000 017 40764
D022	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D201	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
D206	ZENER DIODE MTZJT-775.6B	4835 130 37329
D209	LED SLR-932AV-7K-AB.	4835 130 87154
D211	LED LTL-4214M1	4835 130 87149
D216	ZENER DIODE MTZJT-775.6B	4835 130 37329
D217	ZENER DIODE MTZJT-775.6B	4835 130 37329
D220	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D221	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D222	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D227	ZENER DIODE MTZJT-775.6B	4835 130 37329
D250	ZENER DIODE MTZJT-775.6B	4835 130 37329
D296	ZENER DIODE MTZJT-775.6B	4835 130 37329
D297	ZENER DIODE MTZJT-775.6B	4835 130 37329
D299	ZENER DIODE MTZJT-775.6B	4835 130 37329
D302	ZENER DIODE MTZJT-776.2B	4835 130 37593
D303	ZENER DIODE MTZJT-778.2B	4835 130 37963
D304	ZENER DIODE MTZJT-778.2B	4835 130 37963
D305	ZENER DIODE MTZJT-778.2B	4835 130 37963
D307	ZENER DIODE MTZJT-778.2B	4835 130 37963
D308	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D311	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
D322	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D323	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D324	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D325	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D371	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D399	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D441	ZENER DIODE MTZJT-775.6B	4835 130 37329
D620	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
D630	ZENER DIODE MTZJT-776.8A	4835 130 37971
S D636	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S D637	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D638	ZENER DIODE MTZJT-776.2A	4835 130 37959
D640	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D641	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S D645	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S D646	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D648	ZENER DIODE MTZJT-776.2A	4835 130 37959
S D650	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D652	ZENER DIODE MTZJT-7718B.	4835 130 37784
D701	SWITCHING DIODE 1SS133(T-77)	4835 130 37235

S = Safety Part Be sure to use exact replacement part.

CCA092AT01 (continued)

	D702	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D801	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	úIC201	MICROCOMPUTER 16BIT M37760MCA8A4GP	4835 209 17629
	IC202	IC:MEMORY AT24C02N-10SC.	4835 209 47434
	IC203	IC:RESET BMR-0101C	4835 209 47438
	IC204	IC BA6955N	4835 209 47404
	IC207	IC:OP-AMP. LM324N.	4835 209 87763
S	úIC301	IC:CHROMA/IF 1 CHIP M52772FP	4835 209 47435
	úIC401	IC:Y/C/A LA71077M.	4835 209 47439
S	IC602	IC:VOLTAGE REGULATOR 5V KIA7805PI.	4835 209 88129
	IC801	IC TDA7231A.	4835 209 88115
	L001	INDUCTOR 100mH-K-5FT	4835 157 57798
	L002	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L040	INDUCTOR 18mH-J-26T.	4835 157 58179
	L201	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L246	INDUCTOR 0.1mH-M-26T	4835 157 58236
	L303	INDUCTOR 100mH-K-5FT	4835 157 57798
	L321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L361	INDUCTOR 12mH-J-26T.	4835 157 58071
	L362	INDUCTOR 18mH-J-26T.	4835 157 58179
	L391	INDUCTOR 2.2mH-J-26T	4835 157 57639
	L422	INDUCTOR 100mH-J-26T	4835 157 57644
	L423	INDUCTOR 100mH-J-26T	4835 157 57644
	L442	INDUCTOR 22mH-J-26T.	4835 157 57641
	L471	INDUCTOR 22mH-J-26T.	4835 157 57641
	L481	INDUCTOR 47mH-K-5FT.	4835 157 57375
	L482	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L602	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L849	INDUCTOR 0.47mH-J-26T.	4835 157 58018
	Q022	RES. BUILT-IN TRANSISTOR KRA103M PNP	4835 130 47907
	Q201	RESET KTC3199(GR) NPN.	4835 130 47914
	Q202	PHOTO END SENSOR ST-319R2-B.	4835 130 48138
	Q203	PHOTO START SENSOR ST-319R2-B.	4835 130 48138
	Q204	PHOTO T-REEL SENSOR ST-319R2-B	4835 130 48138
	Q210	SWITCHING KTC3199(GR) NPN	4835 130 47914
	Q309	BUFFER KTC3199(GR) NPN.	4835 130 47914
	Q310	BUFFER KTA1267(GR) PNP.	4835 130 47913
	Q311	SWITCHING 2SC2482 TPE6 NPN.	4835 130 48046
	Q312	SWITCHING KTC3199(GR) NPN	4835 130 47914
	Q313	BUFFER KTC3199(GR) NPN.	4835 130 47914
	Q314	AMP KTC3199(GR) NPN	4835 130 47914
	Q315	AMP KTC3199(GR) NPN	4835 130 47914
	Q422	BUFFER KTA1267(GR) PNP.	4835 130 47913
	Q431	AMP KTA1267(GR) PNP	4835 130 47913
	Q441	BUFFER KTC3199(GR) NPN.	4835 130 47914
	Q481	SWITCHING 2SA1317(U) PNP.	4835 130 47422
	Q482	BIAS OSC 2SC2120-O(TPE2) NPN.	4835 130 47756
	Q483	SWITCHING 2SC3331(T) NPN.	4835 130 47549
	Q484	SWITCHING 2SC3331(T) NPN.	4835 130 47549
	Q485	RES. BUILT-IN TRANSISTOR KRA103M PNP.	4835 130 47907
	Q499	RES. BUILT-IN TRANSISTOR KRC103M NPN.	4835 130 47909
S	Q615	+5V REGULATOR 2SC2120-O(TPE2) NPN	4835 130 47756
S	Q617	+5VREGULATOR 2SD400(F) NPN	4835 130 47433
S	Q618	SWITCHING KTC3199(GR) NPN	4835 130 47914
S	Q619	+5V REGULATOR KTC3199(GR) NPN	4835 130 47914
	Q701	RES. BUILT-IN SWITCHING KRC103M NPN	4835 130 47909
	Q703	SWITCHING KTA1267(GR) PNP	4835 130 47913
	Q801	SWITCHING KTC3199(GR) NPN	4835 130 47914
	Q991	SWITCHING KTC3199(GR) NPN	4835 130 47914
	R001	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R002	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R003	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R011	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R012	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R030	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R031	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R100	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R101	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R102	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R103	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R104	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R105	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R106	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R107	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R108	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R109	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R110	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R201	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R202	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R203	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R205	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R206	CARBON RES. 1/4W ±5% 820kohm	4835 110 57344
	R207	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R208	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R209	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053
	R215	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R218	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R219	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R220	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R221	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R222	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R223	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R224	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R225	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R226	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R227	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R228	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R229	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R231	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R233	CARBON RES. 1/4W ±5% 10Mohm.	4835 110 57288
	R234	CARBON RES. 1/4W ±5% 470kohm	4835 110 57225
	R239	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R242	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R243	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R244	CARBON RES. 1/4W ±5% 1Mohm	4835 110 57272
	R245	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R246	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R249	CARBON RES. 1/4W ±5% 68kohm.	4835 110 57168
	R250	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R251	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R252	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R253	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R254	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R255	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R256	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R257	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R258	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R259	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R260	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R264	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S	R265	FIXED METAL OXIDE FILM RES. 1W ±5% 2.7ohm.	4835 116 57346
	R269	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
	R270	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
	R271	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R273	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053
	R274	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R275	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R276	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R277	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R278	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R280	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R281	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R282	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R283	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R284	CARBON RES. 1/4W ±5% 39kohm.	4835 110 57262
	R285	CARBON RES. 1/4W ±5% 220kohm	4835 110 57208
	R286	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R287	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R288	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R289	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R291	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R292	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R293	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R296	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R301	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R302	CARBON RES. 1/4W ±5% 390kohm	4835 110 57263
	R303	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R304	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R305	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R306	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R307	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R309	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R310	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R311	CARBON RES. 1/4W ±5% 390kohm	4835 110 57263
	R314	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R316	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R317	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
	R320	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R321	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R323	CARBON RES. 1/4W ±5% 120kohm	4835 110 57029
	R324	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
	R325	CARBON RES. 1/4W ±5% 120kohm	4835 110 57029
	R326	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R327	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R328	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R329	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R330	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R331	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R332	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R333	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R334	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R335	CARBON RES. 1/4W ±5% 22ohm	4835 110 57036
	R337	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R338	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R343	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R344	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R347	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R348	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R350	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R352	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R354	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R355	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R363	PCB JUMPER D0.6-P5.0	0000 00J W5.0T

S = Safety Part Be sure to use exact replacement part.

CCA092AT01 (continued)

	R366	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R367	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R368	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R369	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R371	CARBON RES. 1/4W ±5% 10Mohm.	4835 110 57288
	R373	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053
	R375	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R376	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R377	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R378	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R379	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R380	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R381	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R382	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R383	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R384	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R386	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R387	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R388	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R394	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R395	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R396	CARBON RES. 1/4W ±5% 330kohm	4835 110 57197
	R401	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R402	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R403	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R404	CARBON RES. 1/4W ±5% 330kohm	4835 110 57197
	R405	CARBON RES. 1/4W ±5% 120ohm.	4835 110 57217
	R406	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
	R407	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R410	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R411	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R413	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R414	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R415	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R416	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R419	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R422	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R423	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R424	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R425	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R426	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R428	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R429	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R430	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R432	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R433	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R434	CARBON RES. 1/4W ±5% 3.3Mohm	4835 110 57047
	R435	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R436	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R437	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R438	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R439	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R440	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R441	CARBON RES. 1/4W ±5% 180ohm.	4835 110 57219
	R442	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
	R443	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R444	CARBON RES. 1/4W ±5% 820kohm	4835 110 57344
	R445	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R450	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R451	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
	R452	CARBON RES. 1/4W ±5% 2.2Mohm	4835 110 57039
	R453	CARBON RES. 1/4W ±5% 27kohm.	4835 111 37182
	R454	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R461	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R462	CARBON RES. 1/4W ±5% 2kohm	4835 110 57253
	R464	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R465	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R466	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R467	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R468	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R480	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R481	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R482	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R483	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R484	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R485	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R486	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R487	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R497	CARBON RES. 1/4W ±5% 2.7Mohm	4835 110 57372
	R499	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R619	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S	R626	CARBON RES. 1/4W ±5% 12ohm	4835 110 57252
S	R627	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
S	R628	METAL RESISTOR 2W ±5% 47ohm.	4835 116 57156
S	R629	METAL RESISTOR 2W ±5% 47ohm.	4835 116 57156
	R654	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R663	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S	R665	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
	R666	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S	R667	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S	R672	METAL RESISTOR 2W ±5% 6.8ohm	4835 116 67203
	R674	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R701	CARBON RES. 1/4W ±5% 75ohm	4835 110 57056
	R702	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R703	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R709	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R710	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R801	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R803	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R806	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
S	R807	METAL FILM RES.(STRAIGHT)1W ±5% 12ohm.	4835 116 57639
	R808	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R809	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R810	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R811	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
	R812	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R991	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R992	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R993	CARBON RES. 1/4W ±5% 82kohm.	4835 110 57061
	R994	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R995	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	SW101	TACT SWITCH SKQSAB	4835 276 17331
	SW102	TACT SWITCH SKQSAB	4835 276 17331
	SW103	TACT SWITCH SKQSAB	4835 276 17331
	SW104	TACT SWITCH SKQSAB	4835 276 17331
	SW105	TACT SWITCH SKQSAB	4835 276 17331
	SW106	TACT SWITCH SKQSAB	4835 276 17331
	SW107	TACT SWITCH SKQSAB	4835 276 17331
	SW108	TACT SWITCH SKQSAB	4835 276 17331
	SW109	TACT SWITCH SKQSAB	4835 276 17331
	SW110	TACT SWITCH SKQSAB	4835 276 17331
	SW201	PUSH SWITCH SPPB61066A	4835 276 17213
	T301	VCO COIL KHI-821023.	4835 140 67127
	X201	CRYSTAL OSCILLATOR HC-49/U	4835 242 77326
	X202	CRYSTAL OSCILLATOR 32kHz(10PPM).	4835 242 77091
	X301	CER RESONATOR CSB503F18.	4835 242 77226
	X321	CRYSTAL OSCILLATOR 3.579545 MHz.	4835 242 77308
	X401	CRYSTAL OSCILLATOR 3.579545MHz	4835 242 77093
	CF301	CER FILTER SFSH4.5MCB.	4835 153 97029
	CF302	CER TRAP TPS4.5MB2	4835 153 97048
	JK701	RCA JACK 1P AV-8.4-9Y.	4835 265 97455
	JK702	RCA JACK 1P AV-8.4-9W.	4835 265 97456
	JK801	EARPHONE JACK HSJ1403-01-010	4835 265 97306
	RS201	REMOTE RECEIVE UNIT PIC-26042SR.	4835 210 27056
	SF003	SAW FILTER TSF5229P.	4835 153 97062
	SN991	DEW SENSOR EYHS-10R4	4835 280 97033
	TB1	TRAY CHASSIS T4000UA	0000 EM0 00353
	TB2	TOP SHIELD T4000UA	0000 EM1 00973
	TB3	HEAD SHIELD T5000UA.	0000 EM3 01241
	TB5	BUSH LED(E) H1600UD.	0000 VM4 08832
	TB8	CRITICAL PARTSohmARNING LABEL PCEC00350 2015904.	0000 024 LH199
	TB9	BOTTOM SHIELD B5900UA.	0000 EM3 01132
	TB13	RCA HOLDER B5730JA	000E M40 3474E
	TB16	BUSH LED(D) H1600UD.	0000 VM4 08655
	TB18	WASHER(D8) H1600UD	0000 VM4 08931
	TL1	SCREW P-TIGHT 3X12ohmASHER HEAD+	0000 GCM P3120
	TL2	SCREW P-TIGHT 3X8 BIND HEAD.	0000 GBU P3080
	TL4	SCREW S-TIGHT 3X4 BIND HEAD+	0000 GBM S3040
	TL8	SCREW B-TIGHT M3X25 BIND HEAD+	0000 GBM B3250
	TL9	FLAT HEAD SCREW T4000UA.	0000 EM4 04793
	TU001	TUNER UNIT TEDH9-002A.	4835 210 47107

Power Supply CBA

		Power Supply CBA	
		Power Supply CBA	0000 ESA 03036
S	C1601	FILM CAP.(MP) 0.1mF/250V ±20%.	4835 121 47025
	C1603	CER CAP. 0.01mF/AC250V	4835 122 47502
	C1604	CER CAP. 0.01mF/AC250V	4835 122 47502
	C1605	CER CAP. 0.01mF/AC250V	4835 122 47502
	C1606	CER CAP. 0.01mF/AC250V	4835 122 47502
	C1607	CER CAP. LB 470pF/2kV.	4835 122 47642
	C1608	FILM CAP.(P) 0.047mF/50V ±5% TV.	4835 121 47456
	C1610	FILM CAP.(P) 0.022mF/50V ±5% TV.	4835 121 47263
	C1611	MYLAR CAP. 0.056mF/50V ±5% TV.	4835 121 47439
	C1612	FILM CAP.(P) 0.018mF/50V ±5% TV.	4822 121 42701
S	C1616	CER CAP. 0.01mF *F(CS).	4835 125 97008
S	C1617	CER CAP. 0.01mF *F (CS).	4835 125 97008
	C1618	CER CAP. LB 220pF/2kV.	4835 122 47579
	C1620	ELECT 47mF/160V ±20%ohm/F.	4835 124 47518
	C1621	ELECT 470mF/35V ±20%	4835 124 47069
	C1622	ELECT 470mF/16V ±20%	4835 124 47286
	C1623	ELECT 470mF/16V ±20%	4835 124 47286
	C1624	ELECT 1mF/50V ±20%	4835 124 47014
	C1625	ELECT 1000mF/16V ±20%.	4835 124 47005
	C1626	CER CAP.(AX) 68pF/50V ±5% (SL)	4835 122 47217
	C1627	ELECT 22mF/50V ±20%.	4835 124 47051
	C1628	ELECT 1mF/50V ±20%	4835 124 47014
	C1629	CER CAP. F Z 0.01mF/50V +20/-80% (F)	4835 122 37011
	C1630	ELECT 47mF/16V ±20%.	4835 124 47073
	C1631	ELECT 47mF/16V ±20%.	4835 124 47073
	C1632	ELECT 47mF/160V ±20%ohm/F.	4835 124 47518
S	C1633	ELECTROLYTIC CAP 220mF/200V ±20%	4835 124 47464
	C1634	ELECT 100mF/16V ±20%	4835 124 47033

S = Safety Part Be sure to use exact replacement part.

CCA092AT01 (continued)

	C1635	ELECT 1mF/50V ±20%	4835 124 47014
	C1636	CER CAP. 0.01mF/50V +20/-80% (F) . . .	4835 122 37011
	C1637	CARBON RES. 1/4W J 6.8ohm.	4835 110 57297
	C1638	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	C1951	ELECT 1000mF/25V ±20%.	4835 124 47007
	C1952	ELECT 22mF/25V ±20%.	4835 124 47065
	C1953	FILM CAP.(P) 0.1mF/50V ±5% TV. . . .	4835 122 47451
	C1954	P.P. CAPACITOR 0.0033mF/630V ±5% . . .	4835 121 47616
	C1955	ELECT 22mF/25V ±20%.	4835 124 47065
	C1956	ELECTRIC CAP. 3300mF/25V(PJ)	4835 124 47317
	C1958	CER CAP. 470pF/1kV ±10% (B).	4835 122 47471
	C1959	ELECT 100mF/25V ±20%	4835 124 47033
	C1960	ELECT 220mF/35V ±20%	4835 124 47358
	C1961	ELECT 47mF/16V ±20%.	4835 124 47073
	C1962	ELECT 10mF/50V ±20%.	4835 124 47202
S	C1963	P.P. CAPACITOR 0.0082mF/630V ±5% . . .	4835 121 47582
	C1966	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
	C1967	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	C1968	CER CAP. 470pF/1kV ±10% (B).	4835 122 47471
	C1969	ELECT 100mF/160V ±20%ohm/F	4822 124 22663
	C1970	ELECT 470mF/16V ±20%	4835 124 47286
S	CN1601	CONNECTOR BASE 2P TV-50P-02-V1	J3TV C02 TG001
	CN1953	CONNECTOR 15P TUC-P15X-B1.	JCTU S15 TG001
S	D1602	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D1603	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D1604	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D1605	RECTIFIER DIODE ERB12-06	4835 130 37897
	D1606	ZENER DIODE 1ZB180	4835 130 37969
S	D1607	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D1608	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D1609	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D1610	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D1611	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D1612	ZENER DIODE MTZJT-776.8B	4835 130 37881
S	D1613	FAST RECOVERY DIODE ERC25-06	4835 130 37898
S	D1614	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D1615	RECTIFIER 1ZC30.	4835 130 37982
S	D1616	SCHOTTKY BARRIER DIODE ERA81-004 . . .	4835 130 37211
S	D1617	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D1618	SCHOTTKY BARRIER DIODE ERA81-004 . . .	4835 130 37211
	D1619	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D1620	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D1622	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D1623	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D1625	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D1626	ZENER DIODE MTZJT-779.1A	4835 130 37506
	D1627	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D1628	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D1629	ZENER DIODE MTZJT-772.2B	4835 130 37961
	D1630	ZENER DIODE MTZJT-7736A.	4835 130 37785
S	D1631	ZENER DIODE MTZJT-7720C.	4835 130 37983
	D1633	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D1634	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D1637	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D1951	RECTIFIER DIODE ERA15-02	4835 130 37515
S	D1952	DIODE 1ZC18.	4835 130 37925
S	D1953	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D1954	FAST RECOVERY DIODE ERD38-06	4835 130 37622
	D1957	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	D1958	ZENER DIODE MTZJT-776.8B	4835 130 37881
	D1959	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D1960	SCHOTTKY BARRIER DIODE ERA83-006 . . .	4835 130 37211
S	D1961	SCHOTTKY BARRIER DIODE ERA83-006 . . .	4835 130 37211
S	D1962	RECTIFIER DIODE ERA15-02	4835 130 37515
	D1963	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D1964	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	IC1601	PHOTO COUPLER PC817X6.	4835 130 87078
S	IC1951	IC:SWITCHING REGULATOR STK740-020A . .	4835 209 47443
S	L1601	LINE FILTER 5.0MH 6Y075.	4835 154 97202
	L1602	CHOKE COIL 47mH-K.	4835 157 58208
S	L1951	CHOKE COIL 47mH-K.	4835 157 58208
S	Q1601	MOS FET 2SK2079-01MR	4835 130 48164
S	Q1603	LIMITER 2SC2120-O(TPE2) NPN	4835 130 47756
	Q1604	SWITCHING KTC3199(GR) NPN	4835 130 47914
S	Q1605	FEED BACK KTC3199(GR) NPN	4835 130 47914
	Q1606	SWITCHING KTC3199(GR) NPN	4835 130 47914
	Q1609	SWITCHING KTC3199(GR) NPN	4835 130 47914
S	Q1610	SWITCHING 2SB698(G) PNP.	4835 130 47915
S	Q1611	+8V REGULATOR 2SC2120-O(TPE2) NPN . .	4835 130 47756
	Q1951	SWITCHING KTA1267(GR) PNP	4835 130 47913
	Q1952	SWITCHING KTC3199(GR) NPN	4835 130 47914
S	Q1954	SWITCHING 2SA1469(Q) PNP.	4835 130 47927
	Q1955	SWITCHING KTA1267(GR) PNP	4835 130 47913
	Q1956	SWITCHING KTC3199(GR) NPN	4835 130 47914
	Q1957	SWITCHING KTC3199(GR) NPN	4835 130 47914
	R1601	CARBON RES. 1/2W ±5% 3.3Mohm	4835 110 47117
	R1606	METAL RESISTOR 2W ±5% 0.39ohm.	4835 116 57791
	R1608	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
	R1609	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
	R1610	METAL RESISTOR 2W ±5% 220ohm	4835 116 57792
	R1611	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
	R1613	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R1614	METAL RESISTOR 2W ±5% 220ohm	4835 116 57792
	R1615	CARBON RES. 1/4W ±5% 6.8ohm.	4835 110 57297
	R1616	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R1617	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R1618	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R1619	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
S	R1621	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
S	R1622	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
S	R1623	CEMENT RES. 5W 3.9kohm H=25MM.	4835 113 87021
S	R1625	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
S	R1626	CARBON RES. 1/4W ±5% 39kohm.	4835 110 57262
	R1627	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R1628	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R1629	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R1630	CARBON RES. 1/4W ±5% 220kohm	4835 110 57208
	R1631	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R1632	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
S	R1637	METAL RESISTOR 2W ±5% 6.8kohm.	4835 116 67303
	R1638	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R1639	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R1640	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
S	R1642	METAL RESISTOR 2W ±5% 560ohm	4835 116 57123
S	R1643	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R1644	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R1645	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R1646	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S	R1647	METAL RESISTOR 1W ±5% 6.8ohm	4835 116 57279
	R1648	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R1649	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
S	R1650	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R1652	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R1653	CEMENT RESISTOR 5W ±5% 1.2ohm.	4835 113 87008
	R1654	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R1655	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
	R1656	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
	R1657	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R1658	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R1659	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S	R1660	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R1661	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R1663	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
	R1952	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R1953	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
S	R1954	CEMENT RESISTOR 5W ±5% 470ohm.	4835 113 87013
S	R1955	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
S	R1956	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
S	R1957	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
S	R1958	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
S	R1959	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
S	R1960	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
S	R1961	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
	R1962	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R1963	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R1964	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R1965	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R1966	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R1967	METAL RESISTOR 2W ±5% 15ohm.	4835 116 57077
	R1968	METAL RESISTOR 2W ±5% 15ohm.	4835 116 57077
	R1969	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R1970	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
S	R1971	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
S	R1972	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R1973	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R1974	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R1976	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R1977	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R1978	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R1979	CEMENT RESISTOR 5W ±5% 6.8 PHM	4835 113 87022
S	R1980	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S	R1981	ZENER DIODE MTZ±5%T-775.1A	4835 130 37964
	R1982	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R1983	FUSE RES. 1/4W ±5% 1kohm	4835 116 57108
S	T1601	SWITCHING TRANS 9A07	4835 148 87387
S	T1951	SWITCHING TRANS 8A15	4835 148 87388
S	VR1601	CARBON P.O.T. 10kohm B	4835 100 97516
S	VR1951	CARBON P.O.T. 20kohm B	4835 100 97343
S	VR1952	CARBON P.O.T. 500ohm B	4835 100 97551
	BC1601	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC1602	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC1603	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC1604	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC1605	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	BC1606	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	BC1607	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC1608	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	BC1609	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	BC1610	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC1951	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC1952	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC1953	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC1954	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC1955	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021

S = Safety Part Be sure to use exact replacement part.

CCA092AT01 (continued)

	BC1956	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	CL1601	LEADohmIRE 7P 280/BLA/AWG26#2468 . . .	WX30 07J 65528
	CL1602	CONNECTOR BASE 6P TUC-P06P-B1.	J3TU A06 TG001
	CL1603	LEADohmIRE 8P 280/BLA/AWG26#2468 . . .	WX30 08J 65528
S	F1601	FUSE TDS4A125VU/C.	4835 253 97153
S	F1951	FUSE 6A/125V 237 TYPE.	4835 253 97158
	FH1601	FUSE HOLDER MSF-015.	XH01 Z00 LY001
	FH1601	FUSE HOLDER FH-V-03078	XH01 Z00 DK001
	FH1602	FUSE HOLDER MSF-015.	XH01 Z00 LY001
	FH1602	FUSE HOLDER FH-V-03078	XH01 Z00 DK001
	FH1951	FUSE HOLDER MSF-015.	XH01 Z00 LY001
	FH1951	FUSE HOLDER FH-V-03078	XH01 Z00 DK001
	FH1952	FUSE HOLDER MSF-015.	XH01 Z00 LY001
	FH1952	FUSE HOLDER FH-V-03078	XH01 Z00 DK001
S	JK1601	AC INLET CCT9302-0201M	4835 265 97298
S	JK1951	DC JACK.	4835 265 97457
S	PS1601	POSISTOR ZPB58BL7R0F	4835 100 97281
	PB1	POW PCB HOLDER T4000UA	0000 EM0 00354
	PB2	BOTTOM SHIELD(AC) T4000UA.	0000 EM4 04771
	PB3	BOTTOM SHIELD(DC) T4000UA.	0000 EM4 04775
	PB4	13VPOW HEAT SINK PDL ASSEMBLY.	0000 EM4 04717
	PB5	HEAT SINK(EJ).	0000 EM4 03657
	PB6	HEAT SINK HOLDER	0000 EM4 04932
	PL1	SCREW P-TIGHT 3X12ohmASHER HEAD+ . . .	0000 GCM P3120
	PL2	SCREW B-TIGHT 3X10 BIND HEAD+.	0000 GBM B3100
	PL3	SCREW B-TIGHT 3X16 BIND+	0000 GBM B3160
	PL4	SCREW B-TIGHT 3X10ohmASHER HEAD. . . .	0000 GCM B3100
	PL5	SCREW B-TIGHT 3X10 BIND HEAD+.	0000 GBM B3100
S	SA1601	SURGE ABSORBER JVR-07N471K	4835 252 27024
S	SG1601	GAP. G3.10D.	4835 252 27023
	SG1602	PCB JUMPER D0.6-P7.5	0000 00J W7.5T
	WH195	WIRE HOLDER 15P HWT0200-15	XW0H T15 C7001

H.V. CBA

		H.V. CBA	
	C552	FILM CAP.(P) 0.1mF/50V ±5% TV.	4835 122 47451
	C553	ELECT 2.2mF/50V ±20% LL.	4835 124 47183
	C554	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	C555	ELECT 47mF/35V ±20%.	4835 124 97066
	C556	ELECT 1000mF/25V ±20%.	4835 124 47007
	C557	ELECT 2.2mF/50V ±20% LL.	4835 124 47183
	C559	ELE. CAP. 330mF/35V ±20%	4835 124 47666
	C560	MYLAR CAP. 0.056mF/50V ±5% TV.	4835 121 47439
	C569	MYLAR CAP. 0.012mF/50V ±5% TV.	4835 121 47678
S	C572	P.P. CAP. 0.22mF/200V ±5%.	4835 121 47583
	C573	MYLAR CAP. 0.056mF/100V ±5% TV	4835 121 47082
S	C574	ELECT 4.7mF/250V	4835 124 47465
	C577	MYLAR CAP. 0.01mF/50V ±5% TV	4835 121 47461
	C578	ELECT 47mF/35V ±20%.	4835 124 97066
S	C580	METAL FILM. 0.0068mF/1.6kV ±5%	4835 121 47396
S	C581	CER CAP. LB 820pF/2kV.	4835 122 47681
	C584	ELECT 1mF/160V 8M.	4835 124 47516
S	C591	ELECT 1mF/50V ±20%	4835 124 47014
S	C592	ELECT 1mF/50V ±20%	4835 124 47014
S	CN571	CONNECTOR BASE 5P.	0000 017 30813
	L501	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	L572	INDUCTOR 33mH-J-26T.	4835 157 57373
	D552	RECTIFIER DIODE ERA15-02	4835 130 37515
	D555	ZENER DIODE MTZJT-7720B.	4835 130 37965
S	D571	FAST RECOVERY DIODE ERB44-02	4835 130 37944
S	D572	RECTIFIER DIODE ERA22-02	4835 130 37788
	D573	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	D584	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D585	ZENER DIODE MTZJT-776.2B	4835 130 37593
S	D591	ZENER DIODE MTZJT-7736B.	4835 130 37785
S	D595	ZENER DIODE MTZJT-7718B.	4835 130 37784
S	D596	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D597	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D598	RECTIFIER DIODE ERA22-02	4835 130 37788
S	IC551	IC LA7840.	4835 209 47437
	Q551	SWITCHING KTC3199(GR) NPN	4835 130 47914
	Q552	SWITCHING KTC3199(GR) NPN	4835 130 47914
S	Q571	H. OUTPUT TT2024-YB NPN.	4835 130 48165
S	Q572	H. DR 2SC1627Y-TPE2 NPN.	4835 130 48141
S	Q591	SWITCHING KTC3199(GR) NPN	4835 130 47914
S	J567	FUSE RES. 1/4W ±5% 4.7ohm.	4835 113 97074
	R542	PCB JUMPER D0.6-P12.5.	0000 0JW 12.5T
	R551	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R552	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R553	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R554	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R555	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R556	CARBON RES. 1/4W ±5% 4.7ohm.	4835 110 57212
	R557	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R558	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R559	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R560	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R561	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R562	CARBON RES. 1/4W ±5% 4.7ohm.	4835 110 57212
	R563	CARBON RES. 1/4W ±5% 4.7ohm.	4835 110 57212
	R573	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
S	R574	METAL RESISTOR 2W ±5% 1kohm.	4835 116 57057
S	R575	METAL RESISTOR 2W ±5% 1kohm.	4835 116 57057
	R576	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R577	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R580	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
S	R581	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
S	R582	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
S	R583	METAL RESISTOR 1W ±5% 1.8ohm	4835 116 57073
S	R584	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R585	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R586	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R587	CARBON RES. 1/4W ±5% 220kohm	4835 110 57208
	R588	CARBON RES. 1/4W ±5% 150kohm	4835 110 57206
S	R589	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
S	R591	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
S	R592	CARBON RES. 1/4W ±5% 180kohm	4835 110 57259
S	R593	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
S	R594	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R596	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
S	R597	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
S	R598	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
S	R599	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
S	T571	FLYBACK TRANSFORMER BSC25-2003S. . . .	4835 140 67196
S	T572	HORIZONTAL DR TRANSFORMER LP2-003. . .	4835 140 17006
	BC571	BEAD INDUCTOR FBA04HA600VB-00.	LLBF 00S TU026
	DB1	H/V PCB HOLDER	0000 EM2 00987
	DB2	13V H/V HEAT SINK(PDK)	0000 EM4 04715
	DB3	WASHER 12X3.2XT1	0000 0WP M3121
	DL1	SCREW P-TIGHT 3X10 BIND HEAD	0000 GBU P3100
	DL2	SCREW B-TIGHT 3X8 BIND HEAD+	0000 GBM B3080
	WH501A	WIRE HOLDER 3P HWT0200-03.	XW0H T03 C7001
	WH502A	WIRE HOLDER 6P HWT0200-06.	XW0H T06 C7001
	WH503A	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
	WH504A	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001

CRT CBA

		CRT CBA	
	C501	CER CAP.(AX) 270pF/50V ±10% (B). . . .	4835 122 47122
	C502	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
	C503	CER CAP.(AX) 270pF/50V ±10% (B). . . .	4835 122 47122
	C504	ELECT 47mF/16V ±20%.	4835 124 47073
	C507	ELECT 1mF/50V ±20%	4835 124 47014
	C510	CER CAP. 0.001mF/2kV	4835 122 37048
	CN501	CONNECTOR PIN 1P LV.	0000 017 00576
	D501	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D502	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D503	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	Q501	RED AMP 2SC2482 TPE6 NPN.	4835 130 48046
	Q502	GREEN AMP 2SC2482 TPE6 NPN.	4835 130 48046
	Q503	BLUE AMP 2SC2482 TPE6 NPN	4835 130 48046
S	R501	METAL RESISTOR 1W ±5% 15kohm	4835 116 87019
S	R502	METAL RESISTOR 1W ±5% 15kohm	4835 116 87019
S	R503	METAL RESISTOR 1W ±5% 15kohm	4835 116 87019
	R504	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R505	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R506	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R507	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R508	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R511	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R512	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R513	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R514	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R516	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
	R517	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R518	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
	R519	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R520	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
	R521	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R531	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R532	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R536	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	CL501A	LEADohmIRE 3P 230/BLA/AWG26#2468 . . .	WX30 03J 65523
	CL502A	LEADohmIRE 6P 350/BLA/AWG26#2468 . . .	WX30 06J 65535
	CL503A	LEADohmIRE 7P 450/BLA/AWG26#2468 . . .	WX30 07J 65545
S	JK501	CRT SOCKET ISMS02S	4835 265 97453
	WH501B	WIRE HOLDER 3P HWT0200-03.	XW0H T03 C7001
	WH502B	WIRE HOLDER 6P HWT0200-06.	XW0H T06 C7001
	WH503B	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
	WH504B	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001

Junction A CBA

		Junction A CBA	
	CN503	CONNECTOR 7P TUC-P07X-B1	JCTU S07 TG001
	CN504	CONNECTOR 5P TUC-P05X-B1	JCTU S05 TG001
	CL504A	LEADohmIRE 5P 250/BLA/AWG26#2468 . . .	WX30 05J 65525

Junction B CBA

		Junction B CBA	
	WH1952	WIRE HOLDER 15P HWT0200-15	XW0H T15 C7001

Junction C CBA

		Junction C CBA	
	CN502	CONNECTOR 6P TUC-P06X-B1	JCTU S06 TG001

S = Safety Part Be sure to use exact replacement part.

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Chassis Electrical Parts

		Chassis Electrical Parts	
	CLN801	WIRE ASSEMBLY 2P/170	WX1B 480 0-002
S	DG1601	DEGAUSSING COIL A4100468/A4100469. . .	4835 157 97094
	SP801	SPEAKER S08F02B.	4835 240 17019
S	V501	CRT ASSEMBLY A23KQU22X01	4835 131 27154

Cabinet Parts

		Cabinet Parts	
	A1X	FRONT CABINET ASSEMBLY (A1-1~A1-6 are i ncluded)	4835 443 47609
	A1-1	FRONT CABINET.	0000 EM0 00359
	A1-2	CONTROL PLATE.	4835 443 67467
	A1-4	CASSETTE DOOR.	4835 443 67464
	A1-5	DOOR SPRING.	4835 492 97212
	A1-6	CLOTH(4X7XT0.7).	0000 EM4 04974
	A2	REAR CABINET	4835 443 47608
S	A3	RATING LABEL	0000 EM4 04941
	A4	POP LABEL.	0000 EM4 04942
	A5	CRT COVER.	4835 450 67153
	A9	COVER STOPPER(L)	4835 466 67018
	A10	COVER STOPPER(R)	4835 466 67019
	B1	TENSION SPRING B0080B0:EM40808	4835 492 37025
	B2	M5 CRT SCREW(B).	0000 VM4 03923
	B3	SHIELD PLATE(Z8 9V).	0000 EM4 04843
	B4	CLOTH(10X30XT0.5).	0000 EM4 04486
	B5	CLOTH 190X15XT0.5.	0000 00T S7623
	B8	CLOTH B0071V9:TS7346	0000 024 WE420
	B10	CLOTH(10X30XT0.5).	0000 00T S7623
	L1	SCREW P-TIGHT 4X18 BIND HEAD + ...	0000 GBM P4180
	L2	SCREW TAPPING M4X14.	0000 DBU 14140
	L3	SCREW C-TIGHT M3X4 BIND HEAD+.	0000 GBM C3040
	L4	SCREW P-TIGHT 3X10 BIND HEAD+.	0000 GBK P3100
	S1	CARTON T4012UN	0000 EM4 04882
	S2	STYROFOAM TOP ASSEMBLY	0000 EM4 04943
	S3	STYROFOAM BOTTOM ASSEMBLY.	0000 EM4 04944
	S5	SERIAL NO. LABEL	0000 EM4 04945
	S6	SET SHEET.	0000 EM4 02369
	X1	POLYETHYLENE BAG	0000 0Z2 23380
S	X2	OWNER'S MANUAL	00IB 812 7E001
	X3	REMOCON UNIT 512/ERC001/N0266UD. . . .	4835 218 37242
	X4	DRY BATTERY R6P UM3.	4835 138 17012
	X5	ROD ANTENNA.	4835 303 37006
	X7	SERVICE CENTER MAP	0000 VMN 01909
	X8	REGISTRATION CARD.	0000 EMN 01232
	X9	IMPORTANT SAFEGUARDS PCEC:00EL4496E006	0000 EMN 01233
	X10	REGISTRATION LABEL	0000 EM4 02864
S	X12	AC CORD SET LA-2142.	4835 321 17141
	X15	CAR PLUG CORD.	4835 321 57008
	X21	SERVICE CONTRACT CARD:TVCR PCEC:EL6260E 001.	0000 EMN 01338
	X23	CATALOG.	0000 EMN 01486
		CLEANER ASSEMBLY MK7	4835 464 57451

S = Safety Part Be sure to use exact replacement part.

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Main CBA

	Main CBA	
	Main CBA	0000 ESA 02918
C001	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C002	ELECT 100mF/10V ±20%	4835 124 47323
C007	ELECT 4.7mF/50V ±20%	4835 124 47088
C012	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C013	ELECT 1mF/50V ±20%	4835 124 47014
C032	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C040	CER CAP.(AX) 56pF/50V ±5% (SL)	4835 122 47053
C201	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C203	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C205	CER CAP.(AX) 0.01mF/16V ±10% (Y) . . .	4835 122 47552
C208	CER CAP.(AX) 0.01mF/16V ±10% (Y) . . .	4835 122 47552
C210	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C211	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C213	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C214	CER CAP.(AX) 0.01mF/16V +80/-20% (F) .	4835 125 17009
C215	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C216	ELECT 1mF/50V ±20% H7.	4835 124 47045
C218	CER CAP.(AX) 10pF/50V ±5% (CH)	4835 122 47003
C219	CER CAP.(AX) 15pF/50V ±5% (CH)	4835 122 47085
C220	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C221	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C223	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C225	CER CAP.(AX) 0.01mF/16V ±10% (Y) . . .	4835 122 47552
C230	ELECT 47mF/16V ±20% H7	4835 124 47073
C231	ELECT 47mF/16V ±20% H7	4835 124 47073
C240	ELECT 22mF/16V ±20% H7	4835 124 47128
C241	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C242	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C243	ELECT 1mF/50V ±20% H7.	4835 124 47045
C244	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C245	CER CAP.(AX) 560pF/50V ±10% (B). . . .	4835 122 47206
C250	CER CAP.(AX) 0.01mF/16V ±10% (Y) . . .	4835 122 47552
C251	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C252	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C253	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C256	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C258	ELECT 47mF/16V ±20%.	4835 124 47073
C259	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C264	CER CAP.(AX) 6800pF/16V ±10% (X) . . .	4835 122 97078
C265	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C268	CER CAP.(AX) 100pF/50V ±10% (B). . . .	4835 122 47014
C269	CER CAP.(AX) 100pF/50V ±10% (B). . . .	4835 122 47014
C275	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C278	CER CAP.(AX) 0.01mF/16V +80/-20% (F) .	4835 125 17009
C279	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C280	ELECT 22mF/16V ±20%.	4835 124 47175
C281	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C283	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C284	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C285	ELECT 22mF/16V ±20% H7	4835 124 47128
C286	ELECT 47mF/16V ±20% H7	4835 124 47073
C287	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C288	ELECT 22mF/16V ±20% LL H7.	4835 124 47175
C290	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C291	CER CAP.(AX) 0.01mF/16V ±10% (Y) . . .	4835 122 47552
C292	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C293	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C294	ELECT 22mF/16V ±20% H7	4835 124 47128
C296	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C299	ELECT 47mF/16V ±20% H7	4835 124 47073
C301	ELECT 22mF/16V ±20%.	4835 124 47175
C302	ELECT 100mF/10V ±20%	4835 124 47323
C303	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C304	ELECT 100mF/10V ±20%	4835 124 47323
C305	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C306	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C307	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C308	CER CAP.(AX) 330pF/50V ±10% (B). . . .	4835 122 47047
C309	ELECT 1mF/50V ±20%	4835 124 47014
C310	CER CAP.(AX) 0.018mF/6V ±20% (Y) . . .	4835 122 47693
C311	FILM CAP.(P) 0.0047mF/50V ±5% TV . . .	4835 121 47676
C321	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C322	ELECT 100mF/16V ±20% H7.	4835 124 47033
C323	CER CAP.(AX) 100pF/50V ±10% (B). . . .	4835 122 47014
C324	ELECT 2.2mF/50V ±20%	4835 124 47086
C325	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C326	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C328	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C329	ELECT 1mF/50V ±20% H7.	4835 124 47045
C330	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C331	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C332	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C333	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C336	ELECT 1mF/50V ±20% LL.	4835 124 47305
C343	CER CAP.(AX) 3300pF/16V ±10% (X) . . .	4835 122 47475
C344	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C345	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C346	ELECT 10mF/50V ±20%.	4835 124 47202
C348	CER CAP.(AX) 0.015mF/6V ±20% (Y) . . .	4835 122 47675
C349	ELECT 0.47mF/50V ±20% H7	4835 124 47155
C350	ELECT 1mF/50V ±20% H7.	4835 124 47045
C351	CER CAP.(AX) Y N 0.022mF/6V ±30% (Y)	4835 122 47694
C354	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C355	ELECT 330mF/16V ±20%	4835 124 47008
C356	ELECT 220mF/10V ±20%	4835 124 47292
C357	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C362	ELECT 1mF/50V ±20% H7.	4835 124 47045
C370	ELECT 1mF/50V ±20%	4835 124 47014
C371	ELECT 0.47mF/50V ±20%.	4835 124 47155
C372	CER CAP.(AX) SL J 47pF/50V ±5% (SL).	4835 122 37017
C373	ELECT 0.33mF/50V ±20%.	4835 124 47544
C375	ELECT 0.1mF/50V ±20%	4835 124 47048
C376	CER CAP.(AX) X K 2200pF/16V ±10% (X) .	4835 122 47437
C378	ELECT 1mF/50V ±20% H7.	4835 124 47045
C385	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C386	CER CAP.(AX) 10pF/50V ±5% (SL)	4835 122 47003
C387	ELECT 0.47mF/50V ±20%.	4835 124 47155
C401	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C402	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C403	CER CAP.(AX) 0.012mF/6V ±20% (Y) . . .	4835 122 47692
C404	ELECT 10mF/16V ±20% H7	4835 124 47268
C405	ELECT 4.7mF/25V ±20% H7.	4835 124 47481
C406	CER CAP.(AX) 2700pF/16V ±10% (X) . . .	4835 122 47538
C407	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C408	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C410	ELECT 1mF/50V ±20% H7.	4835 124 47045
C411	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C412	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C414	CER CAP.(AX) 390pF/50V ±10% (B). . . .	4835 122 47041
C416	CER CAP.(AX) 180pF/50V ±10% (B). . . .	4835 122 17015
C417	CER CAP.(AX) 22pF/50V ±5% (SL)	4835 122 37016
C418	ELECT 1mF/50V ±20% H7.	4835 124 47045
C420	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C421	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C422	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C423	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C425	ELECT 47mF/16V ±20% H7	4835 124 47073
C426	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C427	ELECT 0.1mF/50V ±20% H7.	4835 124 47048
C429	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C430	ELECT 10mF/16V ±20% H7	4835 124 47268
C431	ELECT 1mF/50V ±20% H7.	4835 124 47045
C432	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C433	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C434	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C435	ELECT 1mF/50V ±20% H7.	4835 124 47045
C436	ELECT 1mF/50V ±20% H7.	4835 124 47045
C437	ELECT 1mF/50V ±20% H7.	4835 124 47045
C438	ELECT 22mF/10V ±20% H7	4835 124 47307
C440	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C441	CER CAP.(AX) 820pF/50V ±10% (B). . . .	4835 122 47405
C443	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C444	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C445	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C447	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C448	ELECT 100mF/6.3V ±20% H7	4835 124 47263
C450	ELECT 1mF/50V ±20% H7.	4835 124 47045
C451	ELECT 2.2mF/50V ±20% H7.	4835 124 47049
C452	CER CAP.(AX) 390pF/50V ±10% (X). . . .	4835 122 47677
C453	ELECT 1mF/50V ±20% H7.	4835 124 47045
C454	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C455	ELECT 0.47mF/50V ±20% H7	4835 124 47155
C456	ELECT 10mF/16V ±20% H7	4835 124 47268
C460	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C461	CER CAP.(AX) 0.022mF/16V +80/-20% (F).	4835 122 47602
C463	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C464	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C465	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C466	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C467	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C468	ELECT 33mF/6.3V ±20% H7.	4835 124 47169
C471	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C472	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C474	ELECT 1mF/50V ±20% H7.	4835 124 47045
C476	ELECT 4.7mF/25V ±20% H7.	4835 124 47481
C477	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C478	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C480	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C481	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C482	ELECT 22mF/16V ±20% H7	4835 124 47128
C483	CER CAP. 470pF/100V ±10% (B)	4835 122 47691
C484	FILM CAP.(P) 0.018mF/50V ±5% TV. . . .	4822 121 42701
C485	CER CAP.(AX) 33pF/50V ±5% (SL)	4835 122 47119
C486	CER CAP.(AX) 33pF/50V ±5% (SL)	4835 122 47119
C490	ELECT 10mF/16V ±20% H7	4835 124 47268
C601	CER CAP. 680pF/2kV (LB).	4835 122 47514
S C603	FILM CAP.(P) 0.047mF/50V ±5% TV. . . .	4835 121 47456
C604	CARBON RES. 1/4W ±5% 47ohm	4835 110 57212
S C605	FILM CAP.(MP) 0.1mF/250V ±20%.	4835 121 47025
C606	FILM CAP.(P) 0.018mF/50V ±5% TV. . . .	4822 121 42701
C607	FILM CAP.(P) 0.022mF/50V ±5% TV. . . .	4835 121 47263

S = Safety Part Be sure to use exact replacement part.

CCA132AT01 (continued)

	C608	MYLAR CAP. 0.056mF/50V ±5% TV.	4835 121 47439
	C609	ELECTROLYTIC CAP 220mF/200V ±20% . . .	4835 124 47464
	C609	ELECT 220mF/200V ±20%.	4835 124 47022
	C610	CER CAP. 0.01mF/AC250V	4835 122 47502
	C611	CER CAP. 0.01mF/AC250V	4835 122 47502
S	C612	CER CAP. 0.01mF/AC250V	4835 122 47502
S	C613	CER CAP. 0.01mF/AC250V	4835 122 47502
S	C614	CER CAP. 0.01m ±1% CS.	4835 125 97008
S	C615	CER CAP. 0.01m ±1% CS.	4835 125 97008
	C618	PCB JUMPER D0.6-P10.0.	0000 0JW 10.0T
	C620	ELECT 470mF/35V ±20%	4835 124 47069
	C621	ELECT 47mF/16V ±20%.	4835 124 47073
S	C622	ELECT 100mF/160V ±20%ohm/F	4822 124 22663
S	C623	ELECT 470mF/16V ±20%	4835 124 47286
S	C624	ELECT 470mF/16V ±20%	4835 124 47286
	C625	ELECT 1000mF/16V ±20%.	4835 124 47005
	C626	CER CAP.(AX) 62pF/50V ±5% (SL)	4835 122 47689
	C627	CER CAP. 0.01mF/50V +80/-20% (F) . . .	4835 122 37011
S	C628	CER CAP. 470pF/2kV (LB).	4835 122 47642
	C629	ELECT 1mF/50V ±20%	4835 124 47014
	C630	ELECT 10mF/50V ±20%.	4835 124 47202
	C632	ELECT 220mF/6.3V ±20%.	4835 124 47168
	C633	ELECT 100mF/16V ±20%	4835 124 47033
	C634	ELECT 100mF/16V ±20%	4835 124 47033
	C635	ELECT 47mF/16V ±20% H7	4835 124 47073
	C636	ELECT 100mF/16V ±20%	4835 124 47033
	C637	ELECT 47mF/16V ±20% H7	4835 124 47073
	C638	ELECT 1mF/50V ±20%	4835 124 47014
	C639	ELECT 22mF/50V ±20%.	4835 124 47051
	C801	SEMI CAP 0.033mF/25V ±10% (YR)	4835 122 47288
	C802	ELECT 0.47mF/50V ±20%.	4835 124 47155
	C803	ELECT 47mF/10V ±20%.	4835 124 47242
	C805	ELECT 330mF/16V ±20%	4835 124 47008
	C807	ELECT 1000mF/16V ±20%.	4835 124 47005
	C808	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
	C809	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
	CN202	CONNECTOR 8P TMC-J08P-A1	J3TM A08 TG002
	CN301	CONNECTOR BASE 7P TUC-P07P-B1.	J3TU A07 TG001
	CN303	CONNECTOR BASE 7P TUC-P07P-B1.	J3TU A07 TG001
	CN304	CONNECTOR BASE 5P TUC-P05P-B1.	J3TU A05 TG001
	CN471	FFC CONNECTOR BASE TOP 4P 9604S-04C. .	JC04 J04 ER002
	CN601	CONNECTOR BASE 2P TV-50P-02-V1	J3RT C02 TG001
	CN602	CONNECTOR BASE 6P TUC-P06P-B1.	J3TU A06 TG001
	CN801	STRAIGHT CONNECTOR BASE.	J383 C02 UG002
	CN851	FFC CONNECTOR BASE TOP 17P 9604S-17C .	JC04 J17 ER002
	CN852	CABLE CONNECTOR 2P TMC-E02X-A1	4835 263 97018
	D201	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D205	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D206	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D209	LED SIR-56ST3F-M	4835 130 87154
	D211	LED LTL-4214M1	4835 130 87149
	D214	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D215	ZENER DIODE MTZJT-776.8B	4835 130 37881
	D216	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D217	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D218	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D219	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D220	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D221	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D222	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D224	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D225	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D226	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D227	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D271	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D301	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D302	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D303	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D304	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D305	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D306	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D307	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D308	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D310	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D311	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D323	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D324	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D325	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D371	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D441	ZENER DIODE MTZJT-775.6B	4835 130 37329
S	D602	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D603	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D604	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D605	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D606	ZENER DIODE MTZJT-7720C.	4835 130 37983
S	D610	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D611	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D612	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D613	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D614	ZENER DIODE MTZJT-776.8B	4835 130 37881
S	D615	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D616	RECTIFIER DIODE 1ZC30.	4835 130 37982
S	D617	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D618	SCHOTTKY BARRIER DIODE ERA81-004 . . .	4835 130 37211
S	D619	SCHOTTKY BARRIER DIODE ERA81-004 . . .	4835 130 37211
	D620	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D621	FAST RECOVERY DIODE ERC25-06	4835 130 37898
S	D623	FILM CAP.(P) 0.01mF/50V ±5% TV	4835 121 47461
	D624	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D626	ZENER DIODE MTZJT-7736A.	4835 130 37785
S	D627	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D630	ZENER DIODE MTZJT-776.8A	4835 130 37971
	D631	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D632	ZENER DIODE MTZJT-779.1A	4835 130 37506
	D633	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D634	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D635	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D636	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D637	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D638	ZENER DIODE MTZJT-776.2A	4835 130 37959
S	D640	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D641	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D643	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D644	ZENER DIODE MTZJT-772.2B	4835 130 37961
S	D645	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D646	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D647	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D648	ZENER DIODE MTZJT-776.2A	4835 130 37959
S	D650	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D651	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D652	ZENER DIODE MTZJT-7718B.	4835 130 37784
	D653	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D654	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D655	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	D801	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D810	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D811	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D850	ZENER DIODE MTZJT-775.6B	4835 130 37329
	J146	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	IC201	MICROCOMPUTER 16BIT M37760MCA8A4GP . .	4835 209 17629
	IC202	IC:MEMORY AT24C02N-10SC.	4835 209 47434
	IC203	IC:RESET BMR-0101C	4835 209 47438
	IC204A	IC BA6955N	4835 209 47404
	IC204	IC TA7291S	4835 209 87744
	IC207	IC:OP-AMP. LM324N.	4835 209 87763
S	IC231	IC:CHROMA/IF 1 CHIP M52772FP	4835 209 47435
	IC401	IC:Y/C/A LA71077M.	4835 209 47439
S	IC601	PHOTOCOUPLER LTV-817B-F.	4835 130 37977
S	IC602	IC:VOLTAGE REGULATOR 5V KIA7805PI. . .	4835 209 88129
S	IC801	IC TDA7231A.	4835 209 88115
	J098	INDUCTOR 2.2UH-J-26T	4835 157 57639
	L001	INDUCTOR 100UH-J-26T	4835 157 57644
	L002	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L040	INDUCTOR 18UH-K-26T.	4835 157 57371
	L201	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L246	INDUCTOR 0.1UH-M-26T	4835 157 58236
	L303	INDUCTOR 10UH-J-26T.	4835 157 57643
	L321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L361	INDUCTOR 12UH-J-26T.	4835 157 58071
	L362	INDUCTOR 18UH-K-26T.	4835 157 57371
	L422	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L423	INDUCTOR 100UH-J-26T	4835 157 57644
	L442	INDUCTOR 100UH-J-26T	4835 157 57644
	L470	INDUCTOR 22UH-J-26T.	4835 157 57641
	L481	INDUCTOR 47UH-K-5FT.	4835 157 57375
S	L601	LINE FILTER 5.0MH 6Y075.	4835 154 97202
	L602	CHOKE COIL 47UH-K.	4835 157 58208
	Q201	RESET KTC3199(GR) NPN.	4835 130 47914
	Q202	PHOTO TRANSISTOR ST-319R2-B	4835 130 48138
	Q203	PHOTO TRANSISTOR ST-319R2-B	4835 130 48138
	Q204	PHOTO TRANSISTOR ST-319R2-B	4835 130 48138
	Q210	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q309	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q310	BUFFER 2SA1317(U) PNP.	4835 130 47422
	Q311	SWITCHING 2SC3468(D)-AE NPN.	4835 130 47981
	Q312	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q313	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q314	AMP KTC3199(GR) NPN.	4835 130 47914
	Q315	AMP KTC3199(GR) NPN.	4835 130 47914
	Q422	BUFFER 2SA1317(U) PNP.	4835 130 47422
	Q431	AMP 2SA1317(U) PNP	4835 130 47422
	Q441	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q451	RES. BUILT -IN SWITCHING KRC103M. . .	4835 130 47909
	Q481	SWITCHING 2SA1317(U) PNP	4835 130 47422
	Q482	BIAS OSC 2SC2120-O(TPE2) NPN	4835 130 47756
	Q483	SWITCHING 2SC3331(T) NPN	4835 130 47549
	Q484	SWITCHING 2SC3331(T) NPN	4835 130 47549
	Q485	SWITCHING KRA103M.	4835 130 47907
S	Q601	LIMITER MOS FET 2SK2079-01MR	4835 130 48164
S	Q602	SWITCHING 2SC2120-O(TPE2) NPN.	4835 130 47756
S	Q605	FEED BACK KTC3199(GR) NPN.	4835 130 47914
	Q609	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S	Q610	SWITCHING 2SB698(G) PNP.	4835 130 47915

S = Safety Part Be sure to use exact replacement part.

CCA132AT01 (continued)

	Q611	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q612	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S	Q615	+5V REGULATOR KTC3199(GR) NPN. . . .	4835 130 47914
S	Q616	+9V REGULATOR KTC3199(GR) NPN. . . .	4835 130 47914
S	Q617	+5V REGULATOR (N) 2SD400 NPN	4835 130 47433
S	Q618	+5V REGULATOR KTC3199(GR) NPN. . . .	4835 130 47914
S	Q619	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q801	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	R001	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R002	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R003	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R011	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R012	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R030	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R031	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R100	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R101	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R102	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R103	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R104	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R105	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R106	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R107	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R108	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R109	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R110	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R201	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R202	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R203	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R205	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R206	CARBON RES. 1/4W ±5% 820kohm	4835 110 57344
	R207	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R208	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R209	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053
	R215	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R217	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R218	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R219	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R220	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R221	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R222	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R223	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R224	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R225	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R226	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R227	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R228	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R229	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R231	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R233	CARBON RES. 1/4W ±5% 10Mohm.	4835 110 57288
	R234	CARBON RES. 1/4W ±5% 470kohm	4835 110 57225
	R239	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R242	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R243	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R244	CARBON RES. 1/4W ±5% 1Mohm	4835 110 57272
	R245	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R246	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R248	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R249	CARBON RES. 1/4W ±5% 68kohm.	4835 110 57168
	R250	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R251	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R252	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R253	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R254	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R255	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R256	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R257	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R258	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R259	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R260	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S	R265	METAL RESISTOR 1W ±5% 2.7ohm	4835 116 57346
	R269	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
	R270	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
	R271	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R273	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053
	R274	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R275	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R276	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R277	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R278	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R280	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R281	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R282	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R283	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R284	CARBON RES. 1/4W ±5% 39kohm.	4835 110 57262
	R285	CARBON RES. 1/4W ±5% 220kohm	4835 110 57208
	R286	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R287	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R288	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R289	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R291	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R292	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R293	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R296	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R301	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R302	CARBON RES. 1/4W ±5% 390kohm	4835 110 57263
	R303	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R304	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R305	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R306	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R307	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R309	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R310	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R311	CARBON RES. 1/4W ±5% 390kohm	4835 110 57263
	R314	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R316	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R317	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
	R320	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R321	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R323	CARBON RES. 1/4W ±5% 120kohm	4835 110 57029
	R324	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
	R325	CARBON RES. 1/4W ±5% 120kohm	4835 110 57029
	R326	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R327	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R328	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R329	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R330	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R331	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R332	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R333	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R334	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R335	CARBON RES. 1/4W ±5% 22ohm	4835 110 57036
	R337	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R338	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R343	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R344	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R347	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R348	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R350	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R352	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R354	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R355	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R357	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R358	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R363	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R366	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R367	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R368	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R369	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R371	CARBON RES. 1/4W ±5% 10Mohm.	4835 110 57288
	R374	CARBON RES. 1/4W ±5% 470kohm	4835 110 57225
	R375	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R376	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R377	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R378	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R379	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R380	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R381	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R382	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R383	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R384	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R386	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R387	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R388	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R394	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R395	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R401	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R402	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R403	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R404	CARBON RES. 1/4W ±5% 330kohm	4835 110 57197
	R405	CARBON RES. 1/4W ±5% 120ohm.	4835 110 57217
	R406	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
	R407	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R410	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R411	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R413	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R414	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R415	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R416	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R419	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R422	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R423	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R424	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R425	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R426	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R428	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R429	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R430	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R432	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R433	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R434	CARBON RES. 1/4W ±5% 3.3Mohm	4835 110 57047
	R435	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R436	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R437	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026

S = Safety Part Be sure to use exact replacement part.

CCA132AT01 (continued)

	R438	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R439	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R440	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R441	CARBON RES. 1/4W ±5% 180ohm.	4835 110 57219
	R442	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
	R443	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R445	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R450	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R451	CARBON RES. 1/4W ±5% 27kohm.	4835 111 37182
	R452	CARBON RES. 1/4W ±5% 2.2Mohm	4835 110 57039
	R453	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R454	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R461	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R462	CARBON RES. 1/4W ±5% 2kohm	4835 110 57253
	R464	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R465	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R466	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R467	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R468	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R480	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R481	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R482	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R483	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R484	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R485	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R486	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R487	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R499	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R601	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
	R602	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
S	R604	METAL RESISTOR 2W 0.39ohm ±5%.	4835 116 57791
S	R605	CEMENT RESISTOR 5W ±10% 1.2ohm	4835 113 87008
S	R606	CARBON RES. 1/2W ±5% 3.3Mohm	4835 110 47117
S	R607	METAL RESISTOR 2W J 220ohm	4835 116 57792
S	R608	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
S	R609	METAL RESISTOR 2W J 220ohm	4835 116 57792
	R611	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R612	CARBON RES. 1/4W ±5% 4.7ohm.	4835 110 57212
	R613	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R614	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R615	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R616	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R619	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R625	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
S	R626	CARBON RES. 1/4W ±5% 12ohm	4835 110 57252
S	R627	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
S	R628	METAL RESISTOR 2W ±5% 47ohm	4835 116 57156
S	R629	METAL RESISTOR 2W ±5% 47ohm	4835 116 57156
S	R630	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
S	R631	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
S	R635	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R640	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
S	R641	CEMENT RES. 5W 3.9kohm H=25MM.	4835 113 87021
	R642	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R643	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
S	R644	METAL RESISTOR 2W ±5% 6.8kohm.	4835 116 67303
	R645	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
S	R646	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
S	R647	CARBON RES. 1/4W ±5% 39kohm.	4835 110 57262
S	R648	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
S	R649	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
S	R650	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
S	R651	METAL RESISTOR 2W ±5% 560ohm	4835 116 57123
	R652	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R653	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R654	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
S	R655	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R656	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R657	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R658	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R660	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R661	CARBON RES. 1/4W ±5% 220kohm	4835 110 57208
	R662	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R663	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S	R665	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
S	R666	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S	R667	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S	R668	CARBON RES. 1/2W ±5% 15ohm	4835 110 47063
	R669	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R670	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R671	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R672	METAL RES. 2W ±5% 12ohm.	4835 116 57075
	R673	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
	R674	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R675	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R701	CARBON RES. 1/4W ±5% 75ohm	4835 110 57056
	R702	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R703	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R801	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R803	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R805	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R806	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
S	R807	METAL RESISTOR 1W ±5% 12ohm.	4835 116 57639
S	R808	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R809	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R810	CARBON RES. RD 1/2W ±5% 120ohm	4835 110 57255
	R811	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
	R812	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	SW101	TACT SWITCH SKQSAB	4835 276 17331
	SW102	TACT SWITCH SKQSAB	4835 276 17331
	SW103	TACT SWITCH SKQSAB	4835 276 17331
	SW104	TACT SWITCH SKQSAB	4835 276 17331
	SW105	TACT SWITCH SKQSAB	4835 276 17331
	SW106	TACT SWITCH SKQSAB	4835 276 17331
	SW107	TACT SWITCH SKQSAB	4835 276 17331
	SW108	TACT SWITCH SKQSAB	4835 276 17331
	SW109	TACT SWITCH SKQSAB	4835 276 17331
	SW110	TACT SWITCH SKQSAB	4835 276 17331
	SW201	PUSH SWITCH SPPB61066A	4835 276 17213
	T301	VCO COIL KHI-821023.	4835 140 67127
S	T601	SWITCHING TRANS 8A05	4835 148 87383
S	VR601	CARBON P.O.T. 20kohm B	4835 100 97343
	X201	CRYSTAL OSCILLATOR HC-49/U	4835 242 77326
	X202	CRYSTAL OSCILLATOR 32kHz(10PPM).	4835 242 77091
	X301	CER RESONATOR CSB503F18.	4835 242 77226
	X321	CRYSTAL OSCILLATOR 3.579545 MHz.	4835 242 77308
	X401	CRYSTAL OSCILLATOR 3.579545MHz	4835 242 77093
	BC601	BEAD INDUCTORS FBR07HA121TB-00	LLBF 00Z TU021
	BC602	BEAD INDUCTORS FBR07HA121TB-00	LLBF 00Z TU021
	BC603	BEAD INDUCTORS FBR07HA121TB-00	LLBF 00Z TU021
	BC605	BEAD INDUCTORS FBR07HA121TB-00	LLBF 00Z TU021
	BC607	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	BC608	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	BC609	BEAD INDUCTORS FBR07HA121TB-00	LLBF 00Z TU021
S	F601	FUSE TDS4A125VU/C.	4835 253 97153
S	FH601	FUSE HOLDER MSF-015.	XH01 Z00 LY001
S	FH602	FUSE HOLDER MSF-015.	XH01 Z00 LY001
	JK701	RCA JACK(YELLOW) RJ-1066-04-1030	4835 265 97402
	JK702	RCA JACK(WHITE) RJ-1066-03-1030.	4835 265 97401
	JK801	EARPHONE JACK HSJ1403-01-010	4835 265 97306
	CF301	CER FILTER SFSH4.5MCB.	4835 153 97029
	CF302	CER TRAP TPS4.5MB2	4835 153 97048
	CL802	WIRE ASSEMBLY 2P/150	WX1B 590 0-001
S	PS601	POSISTOR ZPB58BL7R0F	4835 100 97281
	RS201	REMOTE RECEIVER PIC-26042LU.	4835 210 27058
S	SA601	SURGE ABSORBER JVR-07N471K	4835 252 27024
	SF003	SAW FILTER TSF5229P.	4835 153 97062
S	SG601	GAP. G3.10D.	4835 252 27023
	TB3	HEAD SHIELD.	0000 EM3 01241
	TB5	BUSH LED(E).	0000 VM4 08832
	TB7	13VPOW HEAT SINK PDL ASSEMBLY.	0000 EM4 04717
	TB16	BUSH LED(D).	0000 VM4 08655
	TL3	SCREW B-TIGHT 3X8 BIND HEAD+	0000 GBM B3080
	TU001	TUNER UNIT TEDH9-002A.	4835 210 47107
S	W601	AC CORD 9806190.	4835 321 17101

MUT CBA

		MUT CBA	
		MUTCBA	0000 ESA 02855

H.V. CBA

		H.V. CBA	
	C552	MYLAR CAP. 0.1mF/50V ±5% TV.	4835 122 47451
	C553	ELECT 2.2mF/50V ±20% LL.	4835 124 47183
	C554	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	C555	ELECT 47mF/35V ±20%.	4835 124 97066
	C556	ELECT 1000mF/25V ±20%.	4835 124 47007
	C557	ELECT 2.2mF/50V ±20% LL.	4835 124 47183
	C558	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
	C559	ELECT 100mF/35V ±20%	4835 124 47233
	C560	FILM CAP.(P) 0.027mF/50V ±5% TV.	4835 121 47576
S	C572	P.P. CAP. 0.33mF/200V ±5%.	4835 121 47639
S	C574	ELECT 4.7mF/250V	4835 124 47465
	C577	MYLAR CAP. 0.01mF/50V ±5% TV	4835 121 47461
	C578	ELECT 47mF/35V ±20%.	4835 124 97066
S	C580	METAL FILM. 0.0082mF/1.6kV ±5%	4835 121 47491
	C584	ELECT 1mF/160V ±20%.	4835 124 47516
S	C591	ELECT 1mF/50V ±20%	4835 124 47014
S	C592	ELECT 47mF/35V ±20%.	4835 124 97066
	C594	ELECT 100mF/160V ±20% M	
	CN571	CONNECTOR BASE 5P.	0000 017 30813
	D552	RECTIFIER DIODE ERA15-02	4835 130 37515
	D555	ZENER DIODE MTZJT-7720B.	4835 130 37965
S	D571	FAST RECOVERY DIODE ERB44-02	4835 130 37944
S	D572	RECTIFIER DIODE ERA22-02	4835 130 37788
	D573	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	D584	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D585	ZENER DIODE MTZJT-776.2B	4835 130 37593
S	D591	ZENER DIODE MTZJT-7736B.	4835 130 37785
	D595	ZENER DIODE MTZJT-7720B.	4835 130 37965
S	D596	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D597	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D598	RECTIFIER DIODE ERA22-02	4835 130 37788
S	IC551	IC LA7840.	4835 209 47437

S = Safety Part Be sure to use exact replacement part.

CCA132AT01 (continued)

S	L572	INDUCTOR 33mH-J-26T.	4835 157 57373
	Q541	BEAD INDUCTORS FBA04HA600VB-00	LLBF 00S TU026
	Q551	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q552	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S	Q571	H-OUTPUT TT2024-YB	4835 130 48165
S	Q572	H-DR 2SC1627Y-TPE2 NTN.	4835 130 48141
S	Q591	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q591	SWITCHING 2SC536SP(E) NPN.	4835 130 47429
	J567	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
	R542	PCB JUMPER D0.6-P12.5.	0000 0JW 12.5T
	R551	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
S	R552	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R553	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R554	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R555	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R556	CARBON RES. 1/4W ±5% 4.7ohm.	4835 110 57212
	R557	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R558	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R559	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R560	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R561	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R562	CARBON RES. 1/4W ±5% 2.7ohm.	4835 110 57234
	R566	PCB JUMPER D0.6-P12.5.	0000 0JW 12.5T
	R573	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R574	METAL RESISTOR 2W ±5% 1kohm.	4835 116 57057
S	R575	METAL RESISTOR 2W ±5% 1kohm.	4835 116 57057
	R576	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R577	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R580	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
S	R581	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
S	R582	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
S	R583	METAL RESISTOR 1W ±5% 2.7ohm	4835 116 57346
S	R584	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R585	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R586	PCB ±5% JUMPER D0.6-P5.0	0000 00J W5.0T
	R587	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R588	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R589	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
S	R591	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
S	R592	CARBON RES. 1/4W ±5% 180kohm	4835 110 57259
S	R593	CARBON RES. 1/4W ±5% 39kohm.	4835 110 57262
S	R594	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R596	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
S	R597	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
S	R598	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
S	R599	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
S	T571	FLYBACK TRANS BSC25-2098S.	4835 140 67193
S	T572	HORIZONTAL DR TRANS LP2-003.	4835 140 17006
	BC571	BEAD INDUCTORS FBA04HA600VB-00	LLBF 00S TU026
	DB2	13V H/V HEAT SINK(PDK)	0000 EM4 04715
	DB3	WASHER 12X3.2XT1	0000 0WP M3121
	DL1	SCREW P-TIGHT 3X10 BIND HEAD	0000 GBU P3100
	DL2	SCREW B-TIGHT 3X8 BIND HEAD+	0000 GBM B3080
	CL301A	LEADohmIRE 5P 270MM.	WX1T 500 0-002
	CL501A	LEADohmIRE 3P 320/BLA/AWG26#2468	WX30 03J 65532
	CL502A	LEADohmIRE 6P 310/BLA/AWG26#2468	WX30 06J 65531
	CL503A	LEADohmIRE 7P 480MM.	WX1T 500 0-004
	WH501A	WIRE HOLDER 3P HWT0200-03.	XW0H T03 C7001
	WH502A	WIRE HOLDER 6P HWT0200-06.	XW0H T06 C7001
	WH503A	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
	WH504A	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001

CRT CBA

		CRT CBA	
	C501	CER CAP.(AX) 270pF/50V ±10% (B).	4835 122 47122
	C502	CER CAP.(AX) 270pF/50V ±10% (B).	4835 122 47122
	C503	CER CAP.(AX) 270pF/50V ±10% (B).	4835 122 47122
	C504	ELECT 47mF/16V ±20%.	4835 124 47073
	C507	ELECT 1mF/50V ±20%	4835 124 47014
	C510	CER CAP. 0.001mF/2kV	4835 122 37048
	CN501	CONNECTOR PIN 1P LV.	0000 017 00576
	D501	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D502	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D503	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	L501	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	Q501	RED AMP 2SC2482 TPE6 NPN	4835 130 48046
	Q502	GREEN AMP 2SC2482 TPE6 PNP	4835 130 48046
	Q503	BLUE AMP2SC2482 TPE6 NPN	4835 130 48046
S	R501	METAL RESISTOR 1W ±5% 15kohm	4835 116 87019
S	R502	METAL RESISTOR 1W ±5% 15kohm	4835 116 87019
S	R503	METAL RESISTOR 1W ±5% 15kohm	4835 116 87019
	R504	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R505	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R506	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R507	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R508	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R511	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R512	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R513	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R514	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R516	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
	R517	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R518	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
	R519	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R520	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
	R521	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R531	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R532	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R536	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
S	JK501	CRT SOCKET ISMS02S	4835 265 97453
	WH501B	WIRE HOLDER 3P HWT0200-03.	XW0H T03 C7001
	WH502B	WIRE HOLDER 6P HWT0200-06.	XW0H T06 C7001
	WH503B	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
	WH504B	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001

Junction A CBA

		Junction A CBA	
	CN504	CONNECTOR 5P TUC-P05X-B1	JCTU S05 TG001

Junction B CBA

		Junction B CBA	
	CN502	CONNECTOR 6P TUC-P06X-B1	JCTU S06 TG001
	CN503	CONNECTOR 7P TUC-P07X-B1	JCTU S07 TG001

Chassis Electrical Parts

		Chassis Electrical Parts	
S	DG601	DEGAUSSING COIL F-016.	4835 157 58157
	SP801	SPEAKER S08F02B.	4835 240 17019
S	V501	CRT ASSEMBLY A34AGT13X09 K	4835 131 97015
S	L551	Deflection Yoke.	4835 150 17162
	V501-1	C.P.MAGNET JH225-FN-00	XM04 000 BV003
	V501-2	RUBBER MAGNET 20X10X1.2.	XM05 000 BV001
	V501-5	WEDGE FT-00110W.	XV10 000 T4001

Mechanical Parts

		Mechanical Parts	
	A1X	FRONT CABINET ASSEMBLY (A1-1~A1-6 included)	4835 443 47602
	A1-1	FRONT CABINET.	0000 EM0 00315
	A1-2	CONTROL PLATE.	4835 443 67463
	A1-4	CASSETTE DOOR.	4835 443 67464
	A1-5	DOOR SPRING.	4835 492 97212
	A1-6	CLOTH(4X4)	0000 EM4 02404
	A2	REAR CABINET	4835 443 47613
S	A3	RATING LABEL	0000 EM4 04829
	A4	POP LABEL.	0000 EM4 04831
	B1	TENSION SPRING B0080B0:EM40808	4835 492 37025
	B2	CRT MOUNTING SCREW B0030U1:K42419.	0000 08A 00083
	B3	SHIELD PLATE	0000 EM4 04783
	B5	CLOTH 190X15XT0.5.	0000 00T S7623
S	DB1	H/V PCB HOLDER	0000 EM2 00987
	DL1	SCREW P-TIGHT 3X10 BIND HEAD	0000 GBU P3100
	L1	SCREW P-TIGHT 4X18 BIND HEAD +	0000 GBM P4180
	L2	SCREW TAPPING M4X14.	0000 DBU 14140
	L3	SCREW C-TIGHT M3X4 BIND HEAD+.	0000 GBM C3040
	L4	SCREW P-TIGHT 3X10 BIND HEAD	0000 GBU P3100
	S1	CARTON	0000 EM4 04837
	S2	STYROFOAM TOP ASSEMBLY	0000 EM4 04336
	S3	STYROFOAM BOTTOM ASSEMBLY.	0000 EM4 04337
	S5	SERIAL NO. LABEL	0000 EM4 04841
	S6	SET SHEET :800X1500.	0000 EM4 02369
	TB1	TRAY CHASSIS	000E M00 0302H

DECK PARTS

		DECK PARTS	
	2B6	DECK EARTH PLATE U17	0000 VM4 08662
	2L051	SCREW, S-TIGHT M3X5 BIND HEAD+	0000 GBM S3050
	B1	CHASSIS ASSEMBLY MK8	0000 VSA 09370
	B2	CYLINDER ASSEMBLY(MK8) NTSC 2HD SQPB	4835 691 27306
	B3	LOAD MTR ASSEMBLY MK7.	4835 361 27157
	B4	MTR HOLDER MK8	4835 256 97343
	B8	PULLEY ASSEMBLY MK6.	4835 528 87052
	B9	MOVING GUIDE S PREPARATION MK7	4835 402 97757
	B10	MOVING GUIDE T PREPARATION MK7	4835 402 97758
	B11	LOAD ARM T ASSEMBLY MK7.	4835 464 57446
	B12	LOAD ARM S ASSEMBLY MK8.	4835 464 57497
	B13	LOAD LEVER ASSEMBLY MK7.	4835 464 57443
	B15	LUMIRRORohmASHER 3.1X6X0.35.	0000 VM4 03269
	B21	LOAD BELT MK6.	4835 358 37149
	B27	TENSION LEVER ASSEMBLY MK8	4835 464 57494
	B31	AC HEAD ASSEMBLY MK7	4835 249 17013
	B32	REEL(T) MK8.	4835 528 17048
	B35	TAPE GUIDE ASSEMBLY MK8.	4835 464 57486
	B37	CAPSTAN MTR F2QTB36.	4835 361 27158
	B38	MODE LEVER MK8	4835 402 97798
	B46	TAPE GUIDE ARM SPRING MK6.	000V M40 7704C
	B47	ADJUST SCREW M2.6X6(SOD)	0000 VM4 09436
	B51	FF ARM MK8	4835 402 97803
	B52	CAPSTAN BELT(2) MK6.	4835 358 37148
	B53	REEL P.S.W MK8	4835 528 17049
	B73	FE HEAD(MK7) HVFHP0019A.	4835 249 17011
	B74	PRISM MK8.	4835 464 57479
	B81	M LEVER HOLDER MK7	4835 256 97336
	B108	P.S.W F.	000V M40 2629A

S = Safety Part Be sure to use exact replacement part.

CCA132AT01 (continued)

B121	WORM MK6	4835 522 37344
B122	P.S.W C.	0000 VM4 02626
B123	P.S.W (WORM THRUST).	0000 VM4 03348
B126	PULLEY MK6	4835 528 87049
B132	CLUTCH ASSEMBLY MK8.	4835 464 57496
B133	IDLER ASSEMBLY MK8	4835 464 57495
B142	SHAFT LOCK ASSEMBLY.	4835 464 57248
B144	CLUTCHohmASHER MK2	0000 VM4 04428
B145	MAIN LEVER ASSEMBLY MK7.	4835 464 57444
B148	TG CAP MK6	4835 402 97804
B300	FL ASSEMBLY MK8.	4835 130 97103
B302	RACK MK8	4835 402 97799
B303	FRONT DOOR OPENER MK7.	4835 402 97817
B304	DOOR OPENER MK7.	4835 402 97818
B308	SLIDER SHAFT MK8	0000 VM4 09335
B313	DR GEAR SPRING MK7	4835 522 37367
B319	CASSETTE SPRING MK8.	0000 VM4 09333
B329	HOLDER KICK ARM N MK6.	000V M30 2956B
B332	HOLDER ARM SPRING MK6.	000V M40 8062B
B339	REEL(S) MK8.	4835 528 17047
B344	CASSETTE GUIDE R MK8	4835 402 97797
B345	CASSETTE GUIDE L MK8	4835 402 97796
B347	GUIDE HOLDER(F) MK8.	4835 256 97342
B348	GUIDE HOLDER R MK8	4835 256 97341
B350	SLIDER GEAR MK8.	4835 522 37368
B352	CASSETTE DR GEAR(N) MK6.	4835 522 37354
B353	CASSETTE PLATE SUB ASSEMBLY MK8.	4835 464 57491
B354	SLIDER(R) MK8.	4835 466 47055
B355	SLIDER(L) MK8.	4835 466 47054
B358	CAM MK7.	4835 528 37038
B365	RADIATOR PLATE MK7	0000 VM4 08563
B401	VH CONNECTOR 4A MK7.	0000 VM3 03174
B402	VH CONNECTOR 4B MK6.	0000 VM4 07671
B403	ACH CONNECTOR A MK7.	4835 402 97801
B404	ACH CONNECTOR B MK7.	0000 VM4 08582
B405	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B406	SENSOR GEAR MK7.	4835 522 37369
B407	M GEAR MK6	4835 522 37345
B409	EJECT SPRING MK7	0000 VM4 08716
B410	PINCH ROLLER ASSEMBLY MK8.	4835 464 57493
B411	PINCH SPRING MK8	0000 VM4 09340
B412	S BRAKE LEVER MK7.	4835 402 97794
B413	M BRAKE T SUB ASSEMBLY MK7	4835 464 57484
B414	M BRAKE S ASSEMBLY MK7	4835 464 57438
B415	S BRAKE L SPRING MK7	0000 VM4 08556
B416	M BRAKE T SPRING MK7	0000 VM4 08588
B417	TENSION SPRING MK8	0000 VM4 09452
B418	TENSION PLATE MK8.	0000 VM4 09451
B419	BT ARM MK7	4835 402 97752
B420	REC ARM MK7.	4835 402 97754
B421	REC ARM SPRING MK6	000V M40 7708D
B425	LOCK LEVER SPRING MK7.	0000 VM4 08555
B426	KICK PULLEY MK6.	4835 528 87053
B427	KICK SPRING MK6.	0000 VM4 07701
B428	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B435	F BRAKE SPRING MK7	000V M40 8722A
B460	BT SPRING MK7.	0000 VM4 08551
B461	MAIN LEVER SPRING MK8.	0000 VM4 09494
B462	PRISM(L2) MK8.	4835 464 57482
B463	PRISM(R2) MK7.	4835 464 57481
B464	CASSETTE DR LEVER SUB ASSEMBLY MK7	4835 464 57445
B465	INSULATION COVER MK8	0000 VM3 03517
B468	SOFT SPRING A MK7.	0000 VM4 09214
B470	TAPE GUIDE ARM ASSEMBLY MK8.	4835 464 57485
B471	CASSETTE GUIDE R ASSEMBLY MK8.	4835 464 57487
B472	SLIDER R ASSEMBLY MK8.	4835 464 57488
B473	SLIDER L ASSEMBLY MK8.	4835 464 57489
B474	CASSETTE DR LEVER ASSEMBLY MK7	4835 402 97786
B475	BT ARM ASSEMBLY MK7.	4835 402 97787
B476	REC ARM ASSEMBLY MK7	4835 402 97788
L1051	SCREW, S-TIGHT M2.6X6 PAN HEAD +	0000 GPM S9060
L1053	SCREW PRISM MK7.	0000 VM4 09038
L1063	SCREW, S-TIGHT M2.6X4 PAN HEAD +	0000 GPM S9040
L1081	SCREW, S-TIGHT M3X6 BIND HEAD+	0000 GBM S3060
L1101	SCREW, P-TIGHT 3X10 BIND HEAD+	0000 GBM P3100
L1151	SCREW, SEMS M3X4 PAN HEAD +.	0000 CPM 33040
L1191	SCREW, P-TIGHT M2.6X12ohmASHER HEAD+	0000 GCM P9120
L1321	SCREW, P-TIGHT 3X8 BIND HEAD+.	0000 GBM P3080
L1341	SCREW, P-TIGHT M2.6X8 BIND HEAD+	0000 GBM P9080
L1342	SCREW, P-TIGHT M2.6X6 BIND HEAD+	0000 GBM P9060
L1402	SCREW, P-TIGHT M2X6ohmASHER HEAD+.	0000 GCM P2060
L1403	SCREW, P-TIGHT M3X10ohmASHER HEAD+	0000 GCM P3100
L1406	SCREW, S-TIGHT M2.6X4 CUP HEAD+.	0000 GCM S9040
L1407	SCREW, S-TIGHT M2.6X8 PAN HEAD +	0000 GPM S9080
L1450	SCREW, SEMS M2.6X5 PAN HEAD+	0000 CPM 39050
L1451	SCREW:SLIDER R MK7	0000 VM4 08853

Mode SW CBA (SWV)

Mode SW CBA (SWV)

B422	Mode SW CBA (SWV).	0000 VSA 09408
CL281	PARALLELohmIRE 2P AWG26/GREY/UL2651.	WX1N 800 2-001
R281	CARBON RES. 1/4W 3.6K ohm ‘2%.	4835 110 57373
R282	CARBON RES. 1/4W 1.5Kohm ‘2%	4835 110 57186
R283	CARBON RES. 1/4W 10Kohm ‘2%.	4835 110 57214
R284	CARBON RES. 1/4W 22Kohm ‘2%.	4835 110 57283
R285	CARBON RES. 1/4W 470 ohm ‘2%	4835 110 57167
SW281	MODE SWITCH HMW0420-910010	4835 276 17326

Main CBA

Main CBA

Cabinet Parts

Cabinet Parts

S = Safety Part Be sure to use exact replacement part.

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DECK PARTS

	DECK PARTS	
2B6	DECK EARTH PLATE U17	0000 VM4 08662
2L051	SCREW, S-TIGHT M3X5 BIND HEAD+	0000 GBM S3050
B1	CHASSIS ASSEMBLY MK8	0000 VSA 09370
B2	CYLINDER ASSEMBLY(MK8) NTSC 4HD SQPB	4835 691 27307
B3	LOAD MTR ASSEMBLY MK7.	4835 361 27157
B4	MTR HOLDER MK8	4835 256 97343
B8	PULLEY ASSEMBLY MK6.	4835 528 87052
B9	MOVING GUIDE S PREPARATION MK7	4835 402 97757
B10	MOVING GUIDE T PREPARATION MK7	4835 402 97758
B11	LOAD ARM T ASSEMBLY MK7.	4835 464 57446
B12	LOAD ARM S ASSEMBLY MK8.	4835 464 57497
B13	LOAD LEVER ASSEMBLY MK7.	4835 464 57443
B15	LUMIRROhmASHER 3.1X6X0.35.	0000 VM4 03269
B21	LOAD BELT MK6.	4835 358 37149
B27	TENSION LEVER ASSEMBLY MK8	4835 464 57494
B31	AC HEAD ASSEMBLY MK7	4835 249 17013
B32	REEL(T) MK8.	4835 528 17048
B35	TAPE GUIDE ASSEMBLY MK8.	4835 464 57486
B37	CAPSTAN MTR F2QTB36.	4835 361 27158
B38	MODE LEVER MK8	4835 402 97798
B46	TAPE GUIDE ARM SPRING MK6.	000V M40 7704C
B47	ADJUST SCREW M2.6X6(SOD)	0000 VM4 09436
B51	FF ARM MK8	4835 402 97803
B52	CAPSTAN BELT(2) MK6.	4835 358 37148
B53	REEL P.S.W MK8	4835 528 17049
B73	FE HEAD(MK7) HVFHP0019A.	4835 249 17011
B74	PRISM MK8.	4835 464 57479
B81	M LEVER HOLDER MK7	4835 256 97336
B86	F BRAKE ASSEMBLY MK7	4835 464 57449
B108	P.S.W F.	000V M40 2629A
B121	WORM MK6	4835 522 37344
B122	P.S.W C.	0000 VM4 02626
B123	P.S.W (WORM THRUST).	0000 VM4 03348
B126	PULLEY MK6	4835 528 87049
B132	CLUTCH ASSEMBLY MK8.	4835 464 57496
B133	IDLER ASSEMBLY MK8	4835 464 57495
B142	SHAFT LOCK ASSEMBLY.	4835 464 57248
B144	CLUTCHohmASHER MK2	0000 VM4 04428
B145	MAIN LEVER ASSEMBLY MK7.	4835 464 57444
B148	TG CAP MK6	4835 402 97804
B300	FL ASSEMBLY MK8.	4835 130 97103
B302	RACK MK8	4835 402 97799
B303	FRONT DOOR OPENER MK7.	4835 402 97817
B304	DOOR OPENER MK7.	4835 402 97818
B308	SLIDER SHAFT MK8	0000 VM4 09335
B313	DR GEAR SPRING MK7	4835 522 37367
B319	CASSETTE SPRING MK8.	0000 VM4 09333
B329	HOLDER KICK ARM N MK6.	000V M30 2956B
B332	HOLDER ARM SPRING MK6.	000V M40 8062B
B339	REEL(S) MK8.	4835 528 17047
B344	CASSETTE GUIDE R MK8	4835 402 97797
B345	CASSETTE GUIDE L MK8	4835 402 97796
B347	GUIDE HOLDER(F) MK8.	4835 256 97342
B348	GUIDE HOLDER R MK8	4835 256 97341
B350	SLIDER GEAR MK8.	4835 522 37368
B352	CASSETTE DR GEAR(N) MK6.	4835 522 37354
B353	CASSETTE PLATE SUB ASSEMBLY MK8.	4835 464 57491
B354	SLIDER(R) MK8.	4835 466 47055
B355	SLIDER(L) MK8.	4835 466 47054
B358	CAM MK7.	4835 528 37038
B365	RADIATOR PLATE MK7	0000 VM4 08563
B401	VH CONNECTOR 6A MK7.	0000 VM3 03175
B402	VH CONNECTOR 6B MK6.	0000 VM4 07722
B403	ACH CONNECTOR A MK7.	4835 402 97801
B404	ACH CONNECTOR B MK7.	0000 VM4 08582
B405	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B406	SENSOR GEAR MK7.	4835 522 37369
B407	M GEAR MK6	4835 522 37345
B409	EJECT SPRING MK7	0000 VM4 08716
B410	PINCH ROLLER ASSEMBLY MK8.	4835 464 57493
B411	PINCH SPRING MK8	0000 VM4 09340
B412	S BRAKE LEVER MK7.	4835 402 97794
B413	M BRAKE T SUB ASSEMBLY MK7	4835 464 57484
B414	M BRAKE S ASSEMBLY MK7	4835 464 57438
B415	S BRAKE L SPRING MK7	0000 VM4 08556
B416	M BRAKE T SPRING MK7	0000 VM4 08588
B417	TENSION SPRING MK8	0000 VM4 09452
B418	TENSION PLATE MK8.	0000 VM4 09451
B419	BT ARM MK7	4835 402 97752
B420	REC ARM MK7.	4835 402 97754
B421	REC ARM SPRING MK6	000V M40 7708D
B425	LOCK LEVER SPRING MK7.	0000 VM4 08555
B426	KICK PULLEY MK6.	4835 528 87053
B427	KICK SPRING MK6.	0000 VM4 07701
B428	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B435	F BRAKE SPRING MK7	000V M40 8722A
B460	BT SPRING MK7.	0000 VM4 08551
B461	MAIN LEVER SPRING MK8.	0000 VM4 09494
B462	PRISM(L2) MK8.	4835 464 57482
B463	PRISM(R2) MK7.	4835 464 57481
B464	CASSETTE DR LEVER SUB ASSEMBLY MK7	4835 464 57445
B465	INSULATION COVER MK8	0000 VM3 03517
B468	SOFT SPRING A MK7.	0000 VM4 09214
B470	TAPE GUIDE ARM ASSEMBLY MK8.	4835 464 57485
B471	CASSETTE GUIDE R ASSEMBLY MK8.	4835 464 57487
B472	SLIDER R ASSEMBLY MK8.	4835 464 57488
B473	SLIDER L ASSEMBLY MK8.	4835 464 57489
B474	CASSETTE DR LEVER ASSEMBLY MK7	4835 402 97786
B475	BT ARM ASSEMBLY MK7.	4835 402 97787
B476	REC ARM ASSEMBLY MK7	4835 402 97788
L1051	SCREW, S-TIGHT M2.6X6 PAN HEAD +	0000 GPM S9060
L1053	SCREW PRISM MK7.	0000 VM4 09038
L1063	SCREW, S-TIGHT M2.6X4 PAN HEAD +	0000 GPM S9040
L1081	SCREW, S-TIGHT M3X6 BIND HEAD+	0000 GBM S3060
L1101	SCREW, P-TIGHT 3X10 BIND HEAD+	0000 GBM P3100
L1151	SCREW, SEMS M3X4 PAN HEAD +.	0000 CPM 33040
L1191	SCREW, P-TIGHT M2.6X12ohmASHER HEAD+	0000 GCM P9120
L1321	SCREW, P-TIGHT 3X8 BIND HEAD+.	0000 GBM P3080
L1341	SCREW, P-TIGHT M2.6X8 BIND HEAD+	0000 GBM P9080
L1342	SCREW, P-TIGHT M2.6X6 BIND HEAD+	0000 GBM P9060
L1402	SCREW, P-TIGHT M2X6ohmASHER HEAD+.	0000 GCM P2060
L1403	SCREW, P-TIGHT M3X10ohmASHER HEAD+	0000 GCM P3100
L1406	SCREW, S-TIGHT M2.6X4 CUP HEAD+.	0000 GCM S9040
L1407	SCREW, S-TIGHT M2.6X8 PAN HEAD +	0000 GPM S9080
L1450	SCREW, SEMS M2.6X5 PAN HEAD+	0000 CPM 39050
L1451	SCREW:SLIDER R MK7	0000 VM4 08853

Mode SW CBA (SWV)

	Mode SW CBA (SWV)	
B422	Mode SW CBA (SWV).	0000 VSA 09408
CL281	PARALLELohmIRE 2P AWG26/GREY/UL2651.	WX1N 800 2-001
R281	CARBON RES. 1/4W 3.6K ohm ‘2%.	4835 110 57373
R282	CARBON RES. 1/4W 1.5Kohm ‘2%	4835 110 57186
R283	CARBON RES. 1/4W 10Kohm ‘2%.	4835 110 57214
R284	CARBON RES. 1/4W 22Kohm ‘2%.	4835 110 57283
R285	CARBON RES. 1/4W 470 ohm ‘2%	4835 110 57167
SW281	MODE SWITCH HMW0420-910010	4835 276 17326

Main CBA

	Main CBA	
C001	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C002	ELECT 100mF/10V ±20%	4835 124 47323
C007	ELECT 22mF/16V ±20%.	4835 124 47175
C012	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C013	ELECT 1mF/50V ±20%	4835 124 47014
C032	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C040	CER CAP.(AX) 56pF/50V ±5% (SL)	4835 122 47053
C201	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C203	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C205	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C208	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C210	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C211	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C213	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C214	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C215	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C216	ELECT 1mF/50V ±20% H7.	4835 124 47045
C218	CER CAP.(AX) 10pF/50V ±5% (CH)	4835 122 47003
C219	CER CAP.(AX) 15pF/50V ±5% (CH)	4835 122 47085
C220	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C221	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C223	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C225	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C230	ELECT 47mF/16V ±20% H7	4835 124 47073
C231	ELECT 47mF/16V ±20% H7	4835 124 47073
C240	ELECT 22mF/16V ±20% H7	4835 124 47128
C241	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C242	CER CAP.(AX) 220pF/50V ±10% (B).	4835 122 47006
C243	ELECT 1mF/50V ±20% H7.	4835 124 47045
C244	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C245	CER CAP.(AX) 560pF/50V ±10% (B).	4835 122 47206
C250	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C251	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C252	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C253	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C256	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C258	ELECT 47mF/16V ±20%.	4835 124 47073
C259	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C264	CER CAP.(AX) 6800pF/16V ±10% (X)	4835 122 97078
C265	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C268	CER CAP.(AX) 100pF/50V ±10% (B).	4835 122 47014
C269	CER CAP.(AX) 100pF/50V ±10% (B).	4835 122 47014
C275	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C278	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C279	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C280	ELECT 22mF/16V ±20%.	4835 124 47175
C281	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C283	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C284	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C285	ELECT 22mF/16V ±20% H7	4835 124 47128
C286	ELECT 47mF/16V ±20% H7	4835 124 47073
C287	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214

S = Safety Part Be sure to use exact replacement part.

CCA134AT01 (continued)

C288	ELECT 22mF/16V ±20% LL H7.	4835 124 47175
C290	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C291	CER CAP.(AX) 0.01mF/16V ±10% (Y) . . .	4835 122 47552
C292	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C293	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C294	ELECT 22mF/16V ±20% H7	4835 124 47128
C296	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C299	ELECT 47mF/16V ±20% H7	4835 124 47073
C301	ELECT 22mF/16V ±20%.	4835 124 47175
C302	ELECT 100mF/10V ±20%	4835 124 47323
C303	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C304	ELECT 100mF/10V ±20%	4835 124 47323
C305	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C306	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C307	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C308	CER CAP.(AX) 330pF/50V ±10% (B). . . .	4835 122 47047
C309	ELECT 1mF/50V ±20%	4835 124 47014
C310	CER CAP.(AX) 0.018mF/6V ±20% (Y) . . .	4835 122 47693
C311	FILM CAP.(P) 0.0047mF/50V ±5% TV . . .	4835 121 47676
C321	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C322	ELECT 100mF/16V ±20% H7.	4835 124 47033
C323	CER CAP.(AX) 100pF/50V ±10% (B). . . .	4835 122 47014
C324	ELECT 2.2mF/50V ±20%	4835 124 47086
C325	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C326	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C328	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C329	ELECT 1mF/50V ±20% H7.	4835 124 47045
C330	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C331	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C332	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C333	CER CAP.(AX) 10mF/50V ±20%	4835 124 47202
C336	ELECT 1mF/50V ±20% LL.	4835 124 47305
C343	CER CAP.(AX) 3300pF/16V ±10% (X) . . .	4835 122 47475
C344	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C345	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C346	ELECT 10mF/50V ±20%.	4835 124 47202
C348	CER CAP.(AX) 0.015mF/6V ±20% (Y) . . .	4835 122 47675
C349	ELECT 0.47mF/50V ±20%.	4835 124 47155
C350	ELECT 1mF/50V ±20% H7.	4835 124 47045
C351	CER CAP.(AX) 0.022mF/6V +30% (Y) . . .	4835 122 47694
C354	CER CAP.(AX)0.01mF/25V +80/-20% (F). .	4835 125 17009
C355	ELECT 330mF/16V ±20%	4835 124 47008
C356	ELECT 220mF/10V ±20%	4835 124 47292
C357	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C362	ELECT 1mF/50V ±20% H7.	4835 124 47045
C370	ELECT 1mF/50V ±20%	4835 124 47014
C371	ELECT 0.47mF/50V ±20%.	4835 124 47155
C372	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C373	ELECT 0.33mF/50V ±20%.	4835 124 47544
C375	ELECT 0.1mF/50V ±20%	4835 124 47048
C376	CER CAP.(AX) 2200pF/16V ±10% (X) . . .	4835 122 47437
C378	ELECT 1mF/50V ±20% H7.	4835 124 47045
C385	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C386	CER CAP.(AX) 10pF/50V ±5% (SL)	4835 122 47003
C387	ELECT 0.47mF/50V ±20%.	4835 124 47155
C401	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C402	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C403	CER CAP.(AX) 0.012mF/6V ±20% (Y) . . .	4835 122 47692
C404	ELECT 10mF/16V ±20% H7	4835 124 47268
C405	ELECT 4.7mF/25V ±20% H7.	4835 124 47481
C406	CER CAP.(AX) 2700pF/16V ±10% (X) . . .	4835 122 47538
C407	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C408	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C410	ELECT 1mF/50V ±20% H7.	4835 124 47045
C411	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C412	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C414	CER CAP.(AX) 390pF/50V ±10% (B). . . .	4835 122 47041
C415	CER CAP.(AX) 18pF/50V ±5% (SL)	4835 122 47086
C416	CER CAP.(AX) 180pF/50V ±10% (B). . . .	4835 122 17015
C417	CER CAP.(AX) 22pF/50V ±5% (SL)	4835 122 37016
C418	ELECT 1mF/50V ±20% H7.	4835 124 47045
C420	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C421	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C422	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C423	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C425	ELECT 47mF/16V ±20% H7	4835 124 47073
C426	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C427	ELECT 0.1mF/50V ±20% H7.	4835 124 47048
C429	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C430	ELECT 10mF/16V ±20% H7	4835 124 47268
C431	ELECT 1mF/50V ±20% H7.	4835 124 47045
C432	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C433	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C434	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C435	ELECT 1mF/50V ±20% H7.	4835 124 47045
C436	ELECT 1mF/50V ±20% H7.	4835 124 47045
C437	ELECT 1mF/50V ±20% H7.	4835 124 47045
C438	ELECT 22mF/10V ±20% H7	4835 124 47307
C440	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C441	CER CAP.(AX) 820pF/50V ±10% (B). . . .	4835 122 47405
C443	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C444	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C445	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C447	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C448	ELECT 100mF/6.3V ±20% H7	4835 124 47263
C450	ELECT 1mF/50V ±20% H7.	4835 124 47045
C451	ELECT 2.2mF/50V ±20% H7.	4835 124 47049
C452	CER CAP.(AX) 5600pF/16V ±10% (X) . . .	4835 122 47486
C453	ELECT 1mF/50V ±20% H7.	4835 124 47045
C454	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C455	ELECT 0.47mF/50V ±20% H7	4835 124 47155
C456	ELECT 10mF/16V ±20% H7	4835 124 47268
C460	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C461	ELECT 0.1mF/50V ±20% H7.	4835 124 47048
C463	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C464	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C465	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C466	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C467	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C468	ELECT 33mF/6.3V ±20% H7.	4835 124 47169
C470	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C471	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C472	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C474	ELECT 1mF/50V ±20% H7.	4835 124 47045
C476	ELECT 4.7mF/25V ±20% H7.	4835 124 47481
C477	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C478	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C480	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C481	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C482	ELECT 22mF/16V ±20% H7	4835 124 47128
C483	CER CAP. 470pF/100V ±10% (B)	4835 122 47691
C484	FILM CAP.(P) 0.018mF/50V ±5% TV. . . .	4822 121 42701
C490	ELECT 10mF/16V ±20% H7	4835 124 47268
S C601	CER CAP. LB 680pF/2kV.	4835 122 47514
S C603	FILM CAP.(P) 0.047mF/50V ±5% TV. . . .	4835 121 47456
C604	CARBON RES. 1/4W J 4.7ohm.	4835 110 57212
S C605	FILM CAP.(MP) 0.1mF/250V ±20%.	4835 121 47025
C606	FILM CAP.(P) 0.018mF/50V ±5% TV. . . .	4822 121 42701
C607	FILM CAP.(P) 0.022mF/50V ±5% TV. . . .	4835 121 47263
C608	MYLAR CAP. 0.056mF/50V ±5% TV.	4835 121 47439
S C609	ELECTROLYTIC CAP 220mF/200V ±20% . . .	4835 124 47464
C610	CER CAP. 0.01mF/AC250V	4835 122 47502
C611	CER CAP. 0.01mF/AC250V	4835 122 47502
S C612	CER CAP. 0.01mF/AC250V	4835 122 47502
S C613	CER CAP. 0.01mF/AC250V	4835 122 47502
S C614	CER CAP. 0.01mF ±1% (CS)	4835 125 97008
S C615	CER CAP. 0.01mF ±1% (CS).	4835 125 97008
C618	PCB JUMPER D0.6-P10.0.	0000 0JW 10.0T
C620	ELECT 470mF/35V ±20%	4835 124 47069
C621	ELECT 47mF/16V ±20%.	4835 124 47073
S C622	ELECT 100mF/160V ±20%ohm/F	4822 124 22663
S C623	ELECT 470mF/16V ±20%	4835 124 47286
S C624	ELECT 470mF/16V ±20%	4835 124 47286
C625	ELECT 1000mF/16V ±20%.	4835 124 47005
C626	CER CAP.(AX) SL J 62pF/50V ±5% (SL). .	4835 122 47689
C627	CER CAP. 0.01mF/50V +80/-20% (F) . . .	4835 122 37011
S C628	CER CAP. 470pF/2kV LB.	4835 122 47642
C629	ELECT 1mF/50V ±20%	4835 124 47014
C630	ELECT 10mF/50V ±20%.	4835 124 47202
C632	ELECT 220mF/6.3V ±20%.	4835 124 47168
C633	ELECT 100mF/16V ±20%	4835 124 47033
C634	ELECT 100mF/16V ±20%	4835 124 47033
C635	ELECT 47mF/16V ±20% H7	4835 124 47073
C636	ELECT 100mF/16V ±20%	4835 124 47033
C637	ELECT 47mF/16V ±20% H7	4835 124 47073
C638	ELECT 1mF/50V ±20%	4835 124 47014
C639	ELECT 22mF/50V ±20%.	4835 124 47051
C801	SEMI CAP 0.033mF/25V ±10%.	4835 122 47288
C802	ELECT 0.47mF/50V ±20%.	4835 124 47155
C803	ELECT 47mF/10V ±20%.	4835 124 47242
C805	ELECT 330mF/16V ±20%	4835 124 47008
C807	ELECT 1000mF/16V ±20%.	4835 124 47005
C808	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C809	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
CN202	CONNECTOR 8P TMC-J08P-A1	J3TM A08 TG002
CN301	CONNECTOR BASE 7P TUC-P07P-B1.	J3TU A07 TG001
CN303	CONNECTOR BASE 7P TUC-P07P-B1.	J3TU A07 TG001
CN304	CONNECTOR BASE 5P TUC-P05P-B1.	J3TU A05 TG001
CN471	FFC CONNECTOR BASE TOP 6P 9604S-06C. .	JC04 J06 ER002
CN601	CONNECTOR BASE 2P TV-50P-02-V1	J3RT C02 TG001
CN602	CONNECTOR BASE 6P TUC-P06P-B1.	J3TU A06 TG001
CN801	STRAIGHT CONNECTOR BASE.	J383 C02 UG002
CN851	FFC CONNECTOR BASE TOP 17P 9604S-17C .	JC04 J17 ER002
CN852	CABLE CONNECTOR 2P TMC-E02X-A1	4835 263 97018
D201	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D205	ZENER DIODE MTZJT-776.2B	4835 130 37593
D206	ZENER DIODE MTZJT-775.6B	4835 130 37329
D209	LED SIR-56ST3F-M	4835 130 87154
D211	LED LTL-4214M1	4835 130 87149
D214	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D215	ZENER DIODE MTZJT-776.8B	4835 130 37881
D216	ZENER DIODE MTZJT-775.6B	4835 130 37329
D217	ZENER DIODE MTZJT-775.6B	4835 130 37329
D218	ZENER DIODE MTZJT-776.2B	4835 130 37593

S = Safety Part Be sure to use exact replacement part.

CCA134AT01 (continued)

	D219	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D220	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D221	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D222	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D224	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D225	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D226	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D227	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D228	ZENER DIODE MTZJT-775.6C	4835 130 37329
	D271	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D301	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D302	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D303	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D304	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D305	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D307	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D308	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D310	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D311	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D312	ZENER DIODE MTZJT-776.8B	4835 130 37881
	D321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D323	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D324	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D325	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D371	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D401	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D441	ZENER DIODE MTZJT-775.6B	4835 130 37329
S	D602	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D603	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D604	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D605	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D606	ZENER DIODE MTZJT-7720C.	4835 130 37983
S	D610	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D611	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D612	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D613	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D614	ZENER DIODE MTZJT-776.8B	4835 130 37881
S	D615	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D616	RECTIFIER DIODE 1ZC30.	4835 130 37982
S	D617	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D618	SCHOTTKY BARRIER DIODE ERA81-004	4835 130 37211
S	D619	SCHOTTKY BARRIER DIODE ERA81-004	4835 130 37211
	D620	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D621	FAST RECOVERY DIODE ERC25-06	4835 130 37898
	D623	FILM CAP.(P) 0.01mF/50V ±5% TV	4835 121 47461
	D626	ZENER DIODE MTZJT-7736A.	4835 130 37785
S	D627	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D630	ZENER DIODE MTZJT-776.8A	4835 130 37971
	D631	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D632	ZENER DIODE MTZJT-779.1A	4835 130 37506
	D633	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D634	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D635	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D636	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D637	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D638	ZENER DIODE MTZJT-775.6A	4835 130 37329
S	D640	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D641	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D643	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D644	ZENER DIODE MTZJT-772.2B	4835 130 37961
S	D645	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D646	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D647	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D648	ZENER DIODE MTZJT-776.2A	4835 130 37959
S	D650	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D651	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D652	ZENER DIODE MTZJT-7718B.	4835 130 37784
	D653	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D654	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D655	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D801	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D810	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D811	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D850	ZENER DIODE MTZJT-775.6B	4835 130 37329
	J146	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	IC201	MICROCOMPUTER 16BIT M37760MCA8A5GP	4835 209 17635
	IC202	EEPROM IC M24C04-MN6	4835 209 47444
	IC203	IC:RESET BMR-0101C	4835 209 47438
S	IC204	IC BA6955N	4835 209 47404
	IC207	IC:OP-AMP. LM324N.	4835 209 87763
S	IC301	IC:CHROMA/IF 1 CHIP M52772FP	4835 209 47435
	IC401	IC:Y/C/A LA71077M.	4835 209 47439
S	IC601	PHOTOCOUPLER LTV-817B-F.	4835 130 37977
S	IC602	IC:VOLTAGE REGULATOR 5V KIA7805PI.	4835 209 88129
S	IC801	IC TDA7231A.	4835 209 88115
	J098	INDUCTOR 2.2mH-J-26T	4835 157 57639
	L001	INDUCTOR 100mH-J-5FT	4835 157 57798
	L002	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L040	INDUCTOR 18mH-K-26T.	4835 157 57371
	L201	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L246	INDUCTOR 0.1mH-M-26T	4835 157 58236
	L303	INDUCTOR 10mH-J-26T.	4835 157 57643
	L321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L361	INDUCTOR 12mH-J-26T.	4835 157 58071
	L362	INDUCTOR 18mH-K-26T.	4835 157 57371
	L422	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L423	INDUCTOR 100mH-J-26T	4835 157 57644
	L424	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L441	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L442	INDUCTOR 100mH-J-26T	4835 157 57644
	L470	INDUCTOR 22mH-J-26T.	4835 157 57641
	L481	INDUCTOR 47mH-K-5FT.	4835 157 57375
S	L601	LINE FILTER 5.0mH 6Y075.	4835 154 97202
	L602	CHOKE COIL 47mH-K.	4835 157 58208
	Q201	RESET KTC3199(GR).	4835 130 47914
	Q202	PHOTO TRANSISTOR ST-319R2-B.	4835 130 48138
	Q203	PHOTO TRANSISTOR ST-319R2-B.	4835 130 48138
	Q204	PHOTO TRANSISTOR ST-319R2-B.	4835 130 48138
	Q210	SWITCHING KTC3199(GR).	4835 130 47914
	Q309	BUFFER KTC3199(GR)	4835 130 47914
	Q310	BUFFER 2SA1317(U).	4835 130 47422
	Q311	SWITCHING 2SC3468(D)-AE.	4835 130 47981
	Q312	SWITCHING KTC3199(GR).	4835 130 47914
	Q313	BUFFER KTC3199(GR)	4835 130 47914
	Q314	AMP KTC3199(GR).	4835 130 47914
	Q315	AMP KTC3199(GR).	4835 130 47914
	Q422	SWITCHING 2SA1317(U)	4835 130 47422
	Q431	AMP 2SA1317(U)	4835 130 47422
	Q441	BUFFER KTC3199(GR)	4835 130 47914
	Q481	SWITCHING 2SA1317(U)	4835 130 47422
	Q482	BIAS OSC 2SC2120-O(TPE2)	4835 130 47756
	Q483	SWITCHING 2SC3331(T)	4835 130 47549
	Q484	SWITCHING 2SC3331(T)	4835 130 47549
	Q485	RES. BUILT-IN TRANSISTOR KRA103M	4835 130 47907
S	Q601	LIMITER MOS FET 2SK2079-01MR	4835 130 48164
S	Q602	SWITCHING 2SC2120-O(TPE2).	4835 130 47756
S	Q605	FEED BACK KTC3199(GR).	4835 130 47914
	Q609	SWITCHING KTC3199(GR).	4835 130 47914
S	Q610	SWITCHING 2SB698(G).	4835 130 47915
	Q611	SWITCHING KTC3199(GR).	4835 130 47914
	Q612	SWITCHING KTC3199(GR).	4835 130 47914
S	Q615	+5V REGULATOR KTC3199(GR).	4835 130 47914
S	Q616	+9V REGULATOR KTC3199(GR).	4835 130 47914
S	Q617	+5V REGULATOR 2SD400 (F)	4835 130 47433
S	Q618	+5V REGULATOR KTC3199(GR).	4835 130 47914
S	Q619	+5V REGULATOR KTC3199(GR).	4835 130 47914
	Q801	SWITCHING KTC3199(GR).	4835 130 47914
	J262	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	J567	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
	R001	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R002	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R003	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R011	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R012	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R030	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R031	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R100	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R101	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R102	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R103	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R104	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R105	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R106	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R107	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R108	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R109	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R110	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R201	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R202	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R203	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R205	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R206	CARBON RES. 1/4W ±5% 820kohm	4835 110 57344
	R207	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R208	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R209	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053
	R215	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R217	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R218	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R219	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R220	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R221	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R222	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R223	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R224	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R225	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R226	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R227	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R228	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R229	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R231	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R233	CARBON RES. 1/4W ±5% 10Mohm.	4835 110 57288
	R234	CARBON RES. 1/4W ±5% 470kohm	4835 110 57225
	R239	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R240	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032

S = Safety Part Be sure to use exact replacement part.

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R241	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R242	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R243	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
R244	CARBON RES. 1/4W ±5% 1Mohm	4835 110 57272
R245	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
R246	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R248	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R249	CARBON RES. 1/4W ±5% 68kohm.	4835 110 57168
R250	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
R251	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
R252	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
R253	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
R254	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R255	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R256	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R257	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
R258	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
R259	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
R260	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S R265	METAL RESISTOR 1W ±5% 2.7ohm	4835 116 57346
R269	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
R270	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
R271	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R273	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053
R274	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R275	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R276	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R277	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
R278	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R280	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
R281	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
R282	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R283	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R284	CARBON RES. 1/4W ±5% 39kohm.	4835 110 57262
R285	CARBON RES. 1/4W ±5% 220kohm	4835 110 57208
R286	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R287	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R288	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R289	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R291	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
R292	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
R293	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
R296	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
R301	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
R302	CARBON RES. 1/4W ±5% 390kohm	4835 110 57263
R303	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R304	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R305	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R306	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R307	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R309	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
R311	CARBON RES. 1/4W ±5% 390kohm	4835 110 57263
R314	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
R316	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R317	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
R320	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R321	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R323	CARBON RES. 1/4W ±5% 120kohm	4835 110 57029
R324	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
R325	CARBON RES. 1/4W ±5% 120kohm	4835 110 57029
R326	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R327	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R328	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R329	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R330	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R331	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R332	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
R333	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
R334	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R335	CARBON RES. 1/4W ±5% 22ohm	4835 110 57036
R337	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
R338	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R343	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R344	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R347	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R348	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
R350	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R352	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
R354	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R355	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R363	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R366	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R367	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R368	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
R369	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R371	CARBON RES. 1/4W ±5% 10Mohm.	4835 110 57288
R374	CARBON RES. 1/4W ±5% 470kohm	4835 110 57225
R375	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R376	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R377	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
R378	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
R379	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R380	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R381	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R382	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R383	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R384	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R386	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R387	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R388	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
R394	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R395	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R401	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R402	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
R403	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
R404	CARBON RES. 1/4W ±5% 330kohm	4835 110 57197
R405	CARBON RES. 1/4W ±5% 120ohm.	4835 110 57217
R406	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
R407	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R410	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
R411	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
R413	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
R414	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
R415	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R416	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R417	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R419	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
R422	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R423	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R424	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
R425	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R426	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R427	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R428	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R429	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
R430	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
R432	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R433	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R434	CARBON RES. 1/4W ±5% 3.3Mohm	4835 110 57047
R435	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
R436	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
R437	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R438	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R439	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
R440	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R441	CARBON RES. 1/4W ±5% 180ohm.	4835 110 57219
R442	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
R443	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
R444	CARBON RES. 1/4W ±5% 820kohm	4835 110 57344
R445	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
R447	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R450	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R451	CARBON RES. 1/4W ±5% 27kohm.	4835 111 37182
R452	CARBON RES. 1/4W ±5% 2.2Mohm	4835 110 57039
R453	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
R454	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R460	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
R461	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R462	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R464	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R465	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
R466	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
R467	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R468	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R469	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R480	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R481	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
R482	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R483	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R484	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
R485	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R486	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R487	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R499	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R601	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
R602	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
S R604	METAL RESISTOR 2W ±5% 0.39ohm.	4835 116 57791
S R605	CEMENT RESISTOR 5W ±10% 1.2ohm	4835 113 87008
S R605	CEMENT RESISTOR 5W ±10% 1.2ohm	4835 113 87008
S R606	CARBON RES. 1/2W ±5% 3.3Mohm	4835 110 47117
S R607	METAL RESISTOR 2W ±5% 220ohm	4835 116 57792
S R608	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
S R609	METAL RESISTOR 2W ±5% 220ohm	4835 116 57792
R611	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R612	CARBON RES. 1/4W ±5% 4.7ohm.	4835 110 57212
R613	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R614	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
R615	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
R616	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R619	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R625	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
S R626	CARBON RES. 1/4W ±5% 12ohm	4835 110 57252
S R627	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
S R628	METAL RESISTOR 2W ±5% 47ohm.	4835 116 57156

S = Safety Part Be sure to use exact replacement part.

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S R629	METAL RESISTOR 2W ±5% 47ohm.	4835	116 57156
S R630	CARBON RES. 1/4W ±5% 470ohm.	4835	110 57167
S R631	CARBON RES. 1/4W ±5% 5.6kohm	4835	110 57304
S R635	CARBON RES. 1/4W ±5% 560ohm.	4835	110 57052
R640	CARBON RES. 1/4W ±5% 33kohm.	4835	110 57211
S R641	CEMENT RES. 5W 3.9kohm H=25MM.	4835	113 87021
R642	CARBON RES. 1/4W ±5% 1.8kohm	4835	110 57033
R643	CARBON RES. 1/4W ±5% 1.8kohm	4835	110 57033
S R644	METAL RESISTOR 2W ±5% 6.8kohm.	4835	116 67303
R645	CARBON RES. 1/4W ±5% 820ohm.	4835	110 57059
S R646	CARBON RES. 1/4W ±5% 33kohm.	4835	110 57211
S R647	CARBON RES. 1/4W ±5% 39kohm.	4835	110 57262
S R648	CARBON RES. 1/4W ±5% 15kohm.	4835	110 57032
S R649	CARBON RES. 1/4W ±5% 15kohm.	4835	110 57032
S R650	CARBON RES. 1/4W ±5% 15kohm.	4835	110 57032
S R651	METAL RESISTOR 2W ±5% 560ohm	4835	116 57123
R652	CARBON RES. 1/4W ±5% 56kohm.	4835	110 57213
R653	CARBON RES. 1/4W ±5% 10kohm.	4835	110 57026
R654	CARBON RES. 1/4W ±5% 10kohm.	4835	110 57026
S R655	CARBON RES. 1/4W ±5% 6.8kohm	4835	110 57193
R656	CARBON RES. 1/4W ±5% 10kohm.	4835	110 57026
R657	CARBON RES. 1/4W ±5% 8.2kohm	4835	110 57264
R658	CARBON RES. 1/4W ±5% 15kohm.	4835	110 57032
R660	CARBON RES. 1/4W ±5% 47kohm.	4835	110 57189
R661	CARBON RES. 1/4W ±5% 220kohm	4835	110 57208
R662	CARBON RES. 1/4W ±5% 220ohm.	4835	110 57037
R663	CARBON RES. 1/4W ±5% 100ohm.	4835	110 57003
S R665	CARBON RES. 1/4W ±5% 10ohm	4835	110 57002
S R666	CARBON RES. 1/4W ±5% 100ohm.	4835	110 57003
S R667	CARBON RES. 1/4W ±5% 100ohm.	4835	110 57003
S R668	CARBON RES. 1/2W ±5% 15ohm	4835	110 47063
R669	CARBON RES. 1/4W ±5% 2.7kohm	4835	110 57006
R670	CARBON RES. 1/4W ±5% 100ohm.	4835	110 57003
R671	PCB JUMPER D0.6-P5.0	0000	00J W5.0T
S R672	METAL RES. 2W ±5% 12ohm.	4835	116 57075
R673	CARBON RES. 1/4W ±5% 39ohm	4835	110 57188
R674	CARBON RES. 1/4W ±5% 270ohm.	4835	110 57041
R675	CARBON RES. 1/4W ±5% 270ohm.	4835	110 57041
R701	CARBON RES. 1/4W ±5% 75ohm	4835	110 57056
R702	PCB JUMPER D0.6-P5.0	0000	00J W5.0T
R703	PCB JUMPER D0.6-P5.0	0000	00J W5.0T
R801	CARBON RES. 1/4W ±5% 3.3kohm	4835	110 57046
R803	PCB JUMPER D0.6-P5.0	0000	00J W5.0T
R805	PCB JUMPER D0.6-P5.0	0000	00J W5.0T
S R806	CARBON RES. 1/4W ±5% 2.2kohm	4835	110 57079
S R807	METAL RESISTOR 1W ±5% 12ohm.	4835	116 57639
S R808	CARBON RES. 1/4W ±5% 2.2kohm	4835	110 57079
R809	PCB JUMPER D0.6-P5.0	0000	00J W5.0T
R810	CARBON RES. RD 1/2W ±5% 120ohm	4835	110 57255
R811	CARBON RES. 1/4W ±5% 10ohm	4835	110 57002
R812	CARBON RES. 1/4W ±5% 820ohm.	4835	110 57059
SW101	TACT SWITCH SKQSAB	4835	276 17331
SW102	TACT SWITCH SKQSAB	4835	276 17331
SW103	TACT SWITCH SKQSAB	4835	276 17331
SW104	TACT SWITCH SKQSAB	4835	276 17331
SW105	TACT SWITCH SKQSAB	4835	276 17331
SW106	TACT SWITCH SKQSAB	4835	276 17331
SW107	TACT SWITCH SKQSAB	4835	276 17331
SW108	TACT SWITCH SKQSAB	4835	276 17331
SW109	TACT SWITCH SKQSAB	4835	276 17331
SW110	TACT SWITCH SKQSAB	4835	276 17331
SW201	PUSH SWITCH SPPB61066A	4835	276 17213
T301	VCO COIL KHI-821023.	4835	140 67127
S T601	SWITCHING TRANS 8A05	4835	148 87383
S VR601	CARBON P.O.T. 20kohm B	4835	100 97343
X201	CRYSTAL OSCILLATOR HC-49/U	4835	242 77326
X202	CRYSTAL OSCILLATOR 32kHz(10PPM).	4835	242 77091
X301	CER RESONATOR CSB503F18.	4835	242 77226
X321	CRYSTAL OSCILLATOR 3.579545 MHz.	4835	242 77308
X401	CRYSTAL OSCILLATOR 3.579545MHz	4835	242 77093
BC601	BEAD INDUCTOR FBR07HA121TB-00.	LLBF	00Z TU021
BC602	BEAD INDUCTOR FBR07HA121TB-00.	LLBF	00Z TU021
BC603	BEAD INDUCTOR FBR07HA121TB-00.	LLBF	00Z TU021
BC605	BEAD INDUCTOR FBR07HA121TB-00.	LLBF	00Z TU021
BC607	PCB JUMPER D0.6-P5.0	0000	00J W5.0T
BC608	PCB JUMPER D0.6-P5.0	0000	00J W5.0T
BC609	BEAD INDUCTOR FBR07HA121TB-00.	LLBF	00Z TU021
CF301	CER FILTER SFSH4.5MCB.	4835	153 97029
CF302	CER TRAP TPS4.5MB2	4835	153 97048
S F601	FUSE TDS4A125VU/C.	4835	253 97153
FH601	FUSE HOLDER MSF-015.	XH01	Z00 LY001
FH602	FUSE HOLDER MSF-015.	XH01	Z00 LY001
JK701	RCA JACK(YELLOW) RJ-1066-04-1030	4835	265 97402
JK702	RCA JACK(WHITE) RJ-1066-03-1030.	4835	265 97401
JK801	EARPHONE JACK HSJ1403-01-010	4835	265 97306
S PS601	POSISTOR ZPB58BL7R0F	4835	100 97281
RS201	REMOTE RECEIVER PIC-26042LU.	4835	210 27058
S SA601	SURGE ABSORBER JVR-07N471K	4835	252 27024
SF003	SAW FILTER TSF5229P.	4835	153 97062
S SG601	GAP. G3.10D.	4835	252 27023
S SG601	GAP.ohmSG-R-3.10	4835	252 27023
TU001	TUNER UNIT TEDH9-002A.	4835	210 47107
S W601	AC CORD 9806190.	4835	321 17101

MUT CBA

	MUT CBA		
	MUT CBA.	0000	ESA 02996

H.V. CBA

	H.V. CBA		
C552	FILM CAP.(P) 0.1mF/50V ±5% TV.	4835	122 47451
C553	ELECT 2.2mF/50V ±20% LL.	4835	124 47183
C554	PCB JUMPER D0.6-P5.0	0000	00J W5.0T
C555	ELECT 47mF/35V ±20%.	4835	124 97066
C556	ELECT 1000mF/25V ±20%.	4835	124 47007
C557	ELECT 2.2mF/50V ±20% LL.	4835	124 47183
C558	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835	125 17009
C559	ELECT 100mF/35V ±20%	4835	124 47233
C560	FILM CAP.(P) 0.027mF/50V ±5% TV.	4835	121 47576
S C572	P.P. CAP. 0.33mF/200V ±5%.	4835	121 47639
S C574	ELECT 4.7mF/250V	4835	124 47465
C577	MYLAR CAP. 0.01mF/50V ±5% TV	4835	121 47461
C578	ELECT 47mF/35V ±20%.	4835	124 97066
S C580	METAL FILM. 0.0082mF/1.6kV ±5%	4835	121 47491
C584	ELECT 1mF/160V ±20%.	4835	124 47516
S C591	ELECT 1mF/50V ±20%	4835	124 47014
S C592	ELECT 47mF/35V ±20%.	4835	124 97066
C594	ELECT 10mF/160V ±20%	4835	124 47742
CN571	CONNECTOR BASE 5P.	0000	017 30813
D552	RECTIFIER DIODE ERA15-02	4835	130 37515
D555	ZENER DIODE MTZJT-7720B.	4835	130 37965
S D571	FAST RECOVERY DIODE ERB44-02	4835	130 37944
S D572	RECTIFIER DIODE ERA22-02	4835	130 37788
D573	PCB JUMPER D0.6-P5.0	0000	00J W5.0T
S D584	SWITCHING DIODE 1SS133(T-77)	4835	130 37235
D585	ZENER DIODE MTZJT-776.2B	4835	130 37593
S D591	ZENER DIODE MTZJT-7736B.	4835	130 37785
D595	ZENER DIODE MTZJT-7720B.	4835	130 37965
D595	ZENER DIODE MTZJT-7720B.	4835	130 37965
S D597	SWITCHING DIODE 1SS133(T-77)	4835	130 37235
S D598	RECTIFIER DIODE ERA22-02	4835	130 37788
S IC551	IC LA7840.	4835	209 47437
S L572	INDUCTOR 33mH-J-26T.	4835	157 57373
Q541	BEAD INDUCTOR FBA04HA600VB-00.	LLBF	00S TU026
Q551	SWITCHING KTC3199(GR).	4835	130 47914
Q552	SWITCHING KTC3199(GR).	4835	130 47914
S Q571	H-OUTPUT TT2024-YB	4835	130 48165
S Q572	H-DR 2SC1627Y-TPE2	4835	130 48141
S Q591	SWITCHING KTC3199(GR).	4835	130 47914
J567	CARBON RES. 1/4W ±5% 1ohm.	4835	110 57229
R542	PCB JUMPER D0.6-P12.5.	0000	0JW 12.5T
R551	CARBON RES. 1/4W ±5% 1.5kohm	4835	110 57186
S R552	CARBON RES. 1/4W ±5% 1.5kohm	4835	110 57186
R553	CARBON RES. 1/4W ±5% 10kohm.	4835	110 57026
R554	CARBON RES. 1/4W ±5% 10kohm.	4835	110 57026
R555	CARBON RES. 1/4W ±5% 1.8kohm	4835	110 57033
R556	CARBON RES. 1/4W ±5% 4.7ohm.	4835	110 57212
R557	CARBON RES. 1/4W ±5% 470ohm.	4835	110 57167
R558	CARBON RES. 1/4W ±5% 12kohm.	4835	110 57282
R559	CARBON RES. 1/4W ±5% 1kohm	4835	110 57025
R560	CARBON RES. 1/4W ±5% 2.7kohm	4835	110 57006
R561	CARBON RES. 1/4W ±5% 5.6kohm	4835	110 57304
R562	CARBON RES. 1/4W ±5% 2.7ohm.	4835	110 57234
S R566	PCB JUMPER D0.6-P7.5	0000	00J W7.5T
R573	CARBON RES. 1/4W ±5% 470ohm.	4835	110 57167
S R574	METAL RESISTOR 2W ±5% 1kohm.	4835	116 57057
S R575	METAL RESISTOR 2W ±5% 1kohm.	4835	116 57057
R576	CARBON RES. 1/4W ±5% 1kohm	4835	110 57025
R577	CARBON RES. 1/4W ±5% 560ohm.	4835	110 57052
R580	CARBON RES. 1/4W ±5% 15ohm	4835	110 57177
S R581	CARBON RES. 1/4W ±5% 1ohm.	4835	110 57229
S R582	CARBON RES. 1/4W ±5% 1ohm.	4835	110 57229
S R583	METAL RESISTOR 1W ±5% 2.7ohm	4835	116 57346
S R584	CARBON RES. 1/4W ±5% 1kohm	4835	110 57025
R585	CARBON RES. 1/4W ±5% 8.2kohm	4835	110 57264
R586	PCB JUMPER D0.6-P5.0	0000	00J W5.0T
R587	CARBON RES. 1/4W ±5% 100kohm	4835	110 57185
R588	CARBON RES. 1/4W ±5% 100kohm	4835	110 57185
R589	CARBON RES. 1/4W ±5% 15ohm	4835	110 57177
S R591	CARBON RES. 1/4W ±5% 12kohm.	4835	110 57282
S R592	CARBON RES. 1/4W ±5% 180kohm	4835	110 57259
S R593	CARBON RES. 1/4W ±5% 39kohm.	4835	110 57262
S R594	CARBON RES. 1/4W ±5% 56kohm.	4835	110 57213
R596	CARBON RES. 1/4W ±5% 2.2kohm	4835	110 57079
S R597	CARBON RES. 1/4W ±5% 6.8kohm	4835	110 57193
S R598	CARBON RES. 1/4W ±5% 22kohm.	4835	110 57038
S R599	CARBON RES. 1/4W ±5% 5.6kohm	4835	110 57304
S T571	FLYBACK TRANS JF0501-C901.	4835	140 67193
S T572	HORIZONTAL DR TRANS LP2-003.	4835	140 17006
BC571	BEAD INDUCTOR FBA04HA600VB-00.	LLBF	00S TU026
DB2	13V H.V. HEAT SINK(PDK).	0000	EM4 04715
DB3	WASHER 12X3.2XT1	0000	0WP M3121
DL2	SCREW B-TIGHT 3X8 BIND HEAD+	0000	GBM B3080
WH501A	WIRE HOLDER 3P HWT0200-03.	XW0H	T03 C7001

S = Safety Part Be sure to use exact replacement part.

CCA134AT01 (continued)

	WH502A	WIRE HOLDER 6P HWT0200-06.	XW0H T06 C7001
	WH503A	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
	WH504A	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001

CRT CBA

		CRT CBA	
	C501	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
	C502	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
	C503	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
	C504	ELECT 47mF/16V ±20%.	4835 124 47073
	C507	ELECT 1mF/50V ±20%	4835 124 47014
	C510	CER CAP. 1000pF/2kV ±10% (B)	4835 122 37048
	CN501	CONNECTOR PIN 1P LV.	0000 017 00576
	D501	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D502	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D503	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	L501	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	Q501	RED AMP 2SC2482 TPE6	4835 130 48046
	Q502	GREEN AMP 2SC2482 TPE6	4835 130 48046
	Q503	BLUE AMP 2SC2482 TPE6.	4835 130 48046
S	R501	METAL RESISTOR 1W ±5% 15kohm	4835 116 87019
S	R502	METAL RESISTOR 1W ±5% 15kohm	4835 116 87019
S	R503	METAL RESISTOR 1W ±5% 15kohm	4835 116 87019
	R504	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R505	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R506	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R507	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R508	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R511	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R512	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R513	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R514	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R516	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
	R517	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R518	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
	R519	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R	CARBON RES. 1/6W ±5% 820ohm.	4835 110 57059
	R520	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
	R521	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R531	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R532	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R536	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	CL501A	LEADohmIRE 3P 320MM.	WX1T 500 0-001
	CL502A	LEADohmIRE 6P 310MM.	WX1T 500 0-003
	CL503A	LEADohmIRE 7P 480MM.	WX1T 500 0-004
	CL504A	LEADohmIRE 5P 270MM.	WX1T 500 0-002
S	JK501	CRT SOCKET ISMS02S	4835 265 97453
	WH501B	WIRE HOLDER 3P HWT0200-03.	XW0H T03 C7001
	WH502B	WIRE HOLDER 6P HWT0200-06.	XW0H T06 C7001
	WH503B	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
	WH504B	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001

Remote Locator CBA

		Remote Locator CBA	
		Remote Locator CBA	0000 ESA 03014
	C831	CER CAP.(AX) 1000pF/50V ±10% (B). . .	4835 122 47215
	C832	ELECT 10mF/16V ±20%.	4835 124 47268
	C833	CER CAP.(AX) 1000pF/50V ±10% (B). . .	4835 122 47215
	C835	CER CAP.(AX) 4.7pF/50V ±10% (CH). . .	4835 122 47052
	C836	CER CAP.(AX) 2.7pF/50V ±10% (CH). . .	4835 122 47684
	C837	CER CAP.(AX) 1000pF/50V ±10% (B). . .	4835 122 47215
	C838	CER CAP.(AX) 2200pF/16V ±20% (X). . .	4835 124 47006
	C839	CER CAP.(AX) 10pF/50V ±5% (CH). . . .	4835 122 47003
	C840	CER CAP.(AX) 2.2pF/50V ±5% (UJ) . . .	4835 122 47578
	C841	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
	CN831	CONECTOR 3P(2.0MM PITCH)TKX-P03P-C1. .	J3TX C03 TG001
	CN832	CONECTOR 3P(2.0MM PITCH)TKX-P03P-C1. .	J3TX C03 TG001
	D831	ZENER DIODE MTZJT-779.1B	4835 130 37506
	L832	INDUCTOR 330mH-K-26T	4835 157 57663
	L833	INDUCTOR 330mH-K-26T	4835 157 57663
	Q831	OSCILLATOR 2SC3777(D).	4835 130 48085
	R831	CARBON RES. 1/6W ±5% 150ohm.	4835 111 37167
	R832	CARBON RES. 1/6W ±5% 10kohm.	4835 111 37163
	R833	CARBON RES. 1/6W ±5% 3.3kohm	4835 111 37185
	R834	CARBON RES. 1/6W ±5% 1.8kohm	4835 111 37172
	TC831	TRIMMER CAP. 7P.	4835 125 97021

Junction A CBA

		Junction A CBA	
	CN504	CONNECTOR 5P TUC-P05X-B1	JCTU S05 TG001

Junction B CBA

		Junction B CBA	
	CN502	CONNECTOR 6P TUC-P06X-B1	JCTU S06 TG001
	CN503	CONNECTOR 7P TUC-P07X-B1	JCTU S07 TG001

Chassis Electrical Parts

		Chassis Electrical Parts	
	CL802	WIRE ASSEMBLY 2P/150	WX1B 590 0-001
S	DG601	DEGAUSSING COIL F-016.	4835 157 58157
	SP801	SPEAKER S08F02B.	4835 240 17019
S	V501	CRT ASSEMBLY A34AGT13X09 K	4835 131 97015

S = Safety Part Be sure to use exact replacement part.

MECHANICAL PARTS

		MECHANICAL PARTS	
	A1X	FRONT CABINET ASSEMBLY (A1-1 thru A1-6 included).	4835 443 47612
	A1- 1	FRONT CABINET.	0000 EM0 00315
	A1- 2	CONTROL PLATE.	4835 443 67469
	A1- 4	CASSETTE DOOR.	4835 443 67464
	A1- 5	DOOR SPRING.	4835 492 97212
	A1- 6	CLOTH(4X4)	0000 EM4 02404
	A 2	REAR CABINET	4835 443 47613
S	A 3	RATING LABEL	0000 EM4 04830
	A 4	POP LABEL.	0000 EM4 04834
	B 1	TENSION SPRING B0080B0:EM40808	4835 492 37025
	B 2	CRT MOUNTING SCREW B0030U1:K42419. . .	0000 08A 00083
	B 3	SHIELD PLATE	0000 EM4 04783
	B 3	SHIELD PLATE	000E M40 4783A
	B 5	CLOTH 190X15XT0.5.	0000 00T S7623
	L 1	SCREW P-TIGHT 4X18 BIND HEAD + ...	0000 GBM P4180
	L 2	SCREW TAPPING M4X14.	0000 DBU 14140
	L 3	SCREW C-TIGHT M3X4 BIND HEAD+.	0000 GBM C3040
	L 4	SCREW P-TIGHT 3X10 BIND HEAD	0000 GBU P3100
	S 1	CARTON	0000 EM4 04838
	S 2	STYROFOAM TOP ASSEMBLY	0000 EM4 04336
	S 3	STYROFOAM BOTTOM ASSEMBLY.	0000 EM4 04337
	S 5	SERIAL NO. LABEL	0000 EM4 04842
	S 6	SET SHEET :800X1500.	0000 EM4 02369
	TB 1	TRAY CHASSIS	000E M00 0302H
	TB 2	TOP SHIELD	0000 EM2 00995
	TB 2	TOP SHIELD	000E M20 0995A
	TB 3	HEAD SHIELD.	0000 EM3 01241
	TB 5	BUSH LED(E).	0000 VM4 08832
	TB 6	SPEAKER HOLDER	4835 256 37015
	TB 7	13VPOW HEAT SINK PDL ASSEMBLY.	0000 EM4 04717
S	TB 8	CRITICAL PARTSohmARNING LABEL PCEC00350 201590	0000 024 LH199
	TB 9	BOTTOM SHIELD.	0000 EM3 01132
	TB 11	REMORT HOLDER.	4835 256 97345
	TB 13	RCA HOLDER	0000 EM4 04220
	TB 16	BUSH LED(D).	0000 VM4 08655
	TB 18	WASHER(D8)	0000 VM4 08931
	TB 20	CLOTH 10X30XT0.5	0000 EM4 04486
	TL 1	SCREW P-TIGHT 3X12ohmASHER HEAD+ . . .	0000 GCM P3120
	TL 1	SCREW P-TIGHT 3X12ohmASHER HEAD+ . . .	0000 GCM P3120
	TL 3	SCREW B-TIGHT 3X8 BIND HEAD+	0000 GBM B3080
	TL 4	SCREW S-TIGHT 3X4 BIND HEAD+	0000 GBM S3040
	TL 8	SCREW B-TIGHT M3X25 BIND HEAD+	0000 GBM B3250
	X 1	POLYETHYLENE BAG	0000 0Z2 23380
S	X 2	OWNER'S MANUAL	00IB 813 0E001
	X 3	REMOCON UNIT 512/ERC001/N0404UD. . . .	4835 218 37254
	X 4	DRY BATTERY R6P UM3(3P).	4835 138 17012
	X 4	DRY BATTERY R6M S3	4835 138 17012
	X 4	DRY BATTERY R6S-3S	4835 138 17012
	X 7	SERVICE CENTER MAP	0000 VMN 01909
	X 8	REGISTRATION CARD.	0000 EMN 01232
	B480	CLEANER ASSEMBLY MK7 (CONSISTS OF B359, B360, B361).	4835 464 57451
	B359	CLEANER LEVER MK7.	4835 402 97759
	B360	CLEAN ROLLER MK4	4835 464 57363
	B361	CLEAN BEARING MK4.	4835 464 57364

Cabinet Parts

		Cabinet Parts	

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MAIN CBA

	MAIN CBA	
	MAIN CBA	0000 ESA 02961
C001	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C002	ELECT 100mF/10V 20%.	4835 124 47323
C007	ELECT 4.7mF/50V 20%.	4835 124 47088
C012	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C013	ELECT 1mF/50V 20%.	4835 124 47014
C032	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C040	CER CAP.(AX) 56pF/50V 5% (SL).	4835 122 47053
C201	CER CAP.(AX) 1000pF/50V 10% (B). . . .	4835 122 47215
C203	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C205	CER CAP.(AX) 0.01mF/16V 10% (Y). . . .	4835 122 47552
C208	CER CAP.(AX) 0.01mF/16V 10% (Y). . . .	4835 122 47552
C210	CER CAP.(AX)1000pF/50V 10% (B)	4835 122 47215
C211	CER CAP.(AX) 1000pF/50V 10% (B). . . .	4835 122 47215
C213	ELECT 47mF/6.3V 20% H7	4835 124 47154
C214	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C215	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C216	ELECT 1mF/50V 20% H7	4835 124 47045
C218	CER CAP.(AX) 10pF/50V 5% (CH).	4835 122 47003
C219	CER CAP.(AX) 15pF/50V 5% (CH).	4835 122 47085
C220	CER CAP.(AX) 20pF/50V 5% (CH).	4835 122 47547
C221	CER CAP.(AX) 20pF/50V 5% (CH).	4835 122 47547
C223	ELECT 220mF/6.3V 20% H7.	4835 124 47186
C225	CER CAP.(AX) 0.01mF/16V 10% (Y). . . .	4835 122 47552
C230	ELECT 47mF/16V 20% H7.	4835 124 47073
C231	ELECT 47mF/16V 20% H7.	4835 124 47073
C240	ELECT 22mF/16V 20% H7.	4835 124 47128
C241	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C242	CER CAP.(AX) 220pF/50V 10% (B)	4835 122 47006
C243	ELECT 1mF/50V 20% H7	4835 124 47045
C244	CER CAP.(AX) 1000pF/50V 10% (B). . . .	4835 122 47215
C245	CER CAP.(AX) 560pF/50V 10% (B)	4835 122 47206
C250	CER CAP.(AX) 0.01mF/16V 10% (Y). . . .	4835 122 47552
C251	CER CAP.(AX) 20pF/50V 5% (CH).	4835 122 47547
C252	CER CAP.(AX) 20pF/50V 5% (CH).	4835 122 47547
C253	CER CAP.(AX) 20pF/50V 5% (CH).	4835 122 47547
C256	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C258	ELECT 47mF/16V 20%	4835 124 47073
C259	CER CAP.(AX) 47pF/50V 5% (SL).	4835 122 37017
C264	CER CAP.(AX) 6800pF/16V 10% (X). . . .	4835 122 97078
C265	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C268	CER CAP.(AX) 100pF/50V 10% (B)	4835 122 47014
C269	CER CAP.(AX) 100pF/50V 10% (B)	4835 122 47014
C275	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C278	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C279	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C280	ELECT 22mF/16V 20%	4835 124 47175
C281	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C283	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C284	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C285	ELECT 22mF/16V 20% H7.	4835 124 47128
C286	ELECT 47mF/16V 20% H7.	4835 124 47073
C287	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C288	ELECT 22mF/16V 20% LL H7	4835 124 47175
C290	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C291	CER CAP.(AX) 0.01mF/16V 10% (Y). . . .	4835 122 47552
C292	ELECT 220mF/6.3V 20% H7.	4835 124 47186
C293	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C294	ELECT 22mF/16V 20% H7.	4835 124 47128
C296	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C299	ELECT 47mF/16V 20% H7.	4835 124 47073
C301	ELECT 22mF/16V 20%	4835 124 47175
C302	ELECT 100mF/10V 20%.	4835 124 47323
C303	CER CAP.(AX) 1000pF/50V 10% (B). . . .	4835 122 47215
C304	ELECT 100mF/10V 20%.	4835 124 47323
C305	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C306	CER CAP.(AX) 220pF/50V 10% (B)	4835 122 47006
C307	CER CAP.(AX) 220pF/50V 10% (B)	4835 122 47006
C308	CER CAP.(AX) 330pF/50V 10% (B)	4835 122 47047
C309	ELECT 1mF/50V 20%.	4835 124 47014
C310	CER CAP.(AX) 0.018mF/6V 20% (Y). . . .	4835 122 47693
C311	FILM CAP.(P) 0.0047mF/50V 5% TV. . . .	4835 121 47676
C321	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C322	ELECT 100mF/16V 20% H7	4835 124 47033
C323	CER CAP.(AX) 100pF/50V 10% (B)	4835 122 47014
C324	ELECT 2.2mF/50V 20%.	4835 124 47086
C325	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C326	CER CAP.(AX) 0.1mF/50V +80/-20%(F) . .	4835 122 47162
C328	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C329	ELECT 1mF/50V 20% H7	4835 124 47045
C330	CER CAP.(AX) 47pF/50V 5% (SL).	4835 122 37017
C331	CER CAP.(AX) 47pF/50V 5% (SL).	4835 122 37017
C332	CER CAP.(AX) 47pF/50V 5% (SL).	4835 122 37017
C333	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C336	ELECT 1mF/50V 20% LL	4835 124 47085
C343	CER CAP.(AX) 3300pF/16V 10% (X). . . .	4835 122 47475
C344	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C345	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C346	ELECT 10mF/50V 20%	4835 124 47202
C348	CER CAP.(AX) 0.015mF/6V 20% (Y). . . .	4835 122 47675
C349	ELECT 0.47mF/50V 20% H7.	4835 124 47155
C350	ELECT 1mF/50V 20% H7	4835 124 47045
C351	CER CAP.(AX) 0.022mF/6V 30% (Y). . . .	4835 122 47694
C354	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C355	ELECT 330mF/16V 20%.	4835 124 47008
C356	ELECT 220mF/10V 20%.	4835 124 47292
C357	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C362	ELECT 1mF/50V 20% H7	4835 124 47045
C370	ELECT 1mF/50V 20%.	4835 124 47014
C371	ELECT 0.47mF/50V 20%	4835 124 47155
C372	CER CAP.(AX) 47pF/50V 5% (SL).	4835 122 37017
C373	ELECT 0.33mF/50V 20%	4835 124 47544
C375	ELECT 0.1mF/50V 20%.	4835 124 47048
C376	CER CAP.(AX) 2200pF/16V 10% (X). . . .	4835 122 47437
C378	ELECT 1mF/50V 20% H7	4835 124 47045
C385	CER CAP.(AX) 47pF/50V 5% (SL).	4835 122 37017
C386	CER CAP.(AX) 10pF/50V 5% (SL).	4835 122 47003
C387	ELECT 0.47mF/50V 20%	4835 124 47155
C401	CER CAP.(AX) 1000pF/50V 5% (K)	4835 122 47215
C402	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C403	CER CAP.(AX) 0.012mF/6V 20%(Y)	4835 122 47692
C404	ELECT 10mF/16V 20% H7.	4835 124 47268
C405	ELECT 4.7mF/25V 20% H7	4835 124 47481
C406	CER CAP.(AX) 2700pF/16V 5% (K)	4835 122 47538
C407	CER CAP.(AX) 1000pF/50V 10% (B). . . .	4835 122 47215
C408	CER CAP.(AX) 1000pF/50V 10% (B). . . .	4835 122 47215
C410	ELECT 1mF/50V 20% H7	4835 124 47045
C411	ELECT 47mF/6.3V 20% H7	4835 124 47154
C412	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C414	CER CAP.(AX) 390pF/50V 10% (B)	4835 122 47041
C415	CER CAP.(AX) 18pF/50V 5% (SL).	4835 122 47086
C416	CER CAP.(AX) 180pF/50V 10% (B)	4835 122 17015
C417	CER CAP.(AX) 22pF/50V 5% (SL).	4835 122 37016
C418	ELECT 1mF/50V 20% H7	4835 124 47045
C420	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C421	CER CAP.(AX) 220pF/50V 10% (B)	4835 122 47006
C422	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C423	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C425	ELECT 47mF/16V 20% H7.	4835 124 47073
C426	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C427	ELECT 0.1mF/50V 20% H7	4835 124 47048
C429	ELECT 22mF/6.3V 20% H7	4835 124 47238
C430	ELECT 10mF/16V 20% H7.	4835 124 47268
C431	ELECT 1mF/50V 20% H7	4835 124 47045
C432	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C433	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C434	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C435	ELECT 1mF/50V 20% H7	4835 124 47045
C436	ELECT 1mF/50V 20% H7	4835 124 47045
C437	ELECT 1mF/50V 20% H7	4835 124 47045
C438	ELECT 22mF/10V 20% H7.	4835 124 47307
C440	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C441	CER CAP.(AX) 820pF/50V 10% (B)	4835 122 47405
C443	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C444	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C445	ELECT 220mF/6.3V 20% H7.	4835 124 47186
C447	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C448	ELECT 100mF/6.3V 20% H7.	4835 124 47263
C450	ELECT 1mF/50V 20% H7	4835 124 47045
C451	ELECT 2.2mF/50V 20% H7	4835 124 47049
C452	CER CAP.(AX) 3900pF/16V 10% (X). . . .	4835 122 47677
C453	ELECT 1mF/50V 20% H7	4835 124 47045
C454	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C455	ELECT 0.47mF/50V 20% H7.	4835 124 47155
C456	ELECT 10mF/16V 20% H7.	4835 124 47268
C458	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C460	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C461	CER CAP.(AX) 0.022mF/16V +80/-20% (F).	4835 122 47602
C463	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C464	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C465	ELECT 22mF/6.3V 20% H7	4835 124 47238
C466	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C467	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C468	ELECT 33mF/6.3V 20% H7	4835 124 47169
C471	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C472	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C474	ELECT 1mF/50V 20% H7	4835 124 47045
C476	ELECT 4.7mF/25V 20% H7	4835 124 47481
C477	ELECT 47mF/6.3V 20% H7	4835 124 47154
C478	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C480	ELECT 47mF/6.3V 20% H7	4835 124 47154
C481	ELECT 220mF/6.3V 20% H7.	4835 124 47186
C482	ELECT 22mF/16V 20% H7.	4835 124 47128
C483	CER CAP. 470pF/100V 10% (B).	4835 122 47691
C484	FILM CAP.(P) 0.018mF/50V 5% TV	4822 121 42701
C485	CER CAP.(AX) 33pF/50V 5% (SL).	4835 122 47119
C486	CER CAP.(AX) 33pF/50V 5% (SL).	4835 122 47119
C490	ELECT 10mF/16V 20% H7.	4835 124 47268
S C601	CER CAP. 680pF/2kV LB.	4835 122 47514
C603	MYLAR CAP. 0.068mF/50V 5% TV	4835 121 47677
C604	MYLAR CAP. 0.068mF/50V 5% TV	4835 121 47677
S C605	FILM CAP.(MP) 0.1mF/250V 20%	4835 121 47025

S = Safety Part Be sure to use exact replacement part.

CCA191AT31 (continued)

	C606	FILM CAP.(P) 0.018mF/50V 5% TV	4822 121 42701
	C607	FILM CAP.(P) 0.022mF/50V 5% TV	4835 121 47263
	C608	MYLAR CAP. 0.1mF/50V 5% TV	4835 122 47451
S	C609	ELECT 220mF/200V(LK TYPE).	4835 124 47022
	C610	CER CAP. 0.01mF/AC250V	4835 122 47502
	C611	CER CAP. 0.01mF/AC250V	4835 122 47502
S	C612	CER CAP. 0.01mF/AC250V	4835 122 47502
S	C613	CER CAP. 0.01mF/AC250V	4835 122 47502
S	C614	CER CAP. 0.01mF 1% CS.	4835 125 97008
S	C615	CER CAP. 0.01mF 1% CS.	4835 125 97008
	C618	PCB JUMPER D0.6-P10.0.	0000 0JW 10.0T
	C620	ELECT 470mF/35V 20%.	4835 124 47069
	C621	ELECT 47mF/16V 20%	4835 124 47073
S	C622	ELECT 100mF/160V 20%ohm/F.	4822 124 22663
S	C623	ELECT 470mF/16V 20%.	4835 124 47286
	C624	ELECT 470mF/16V 20%.	4835 124 47286
	C625	ELECT 1000mF/16V 20%	4835 124 47005
	C626	CER CAP.(AX) 220pF/50V 10% (B)	4835 122 47006
	C627	CER CAP. 0.01mF/50V +80/-20% (F) . . .	4835 122 37011
S	C628	CER CAP. 470pF/2kV LB.	4835 122 47642
	C629	ELECT 1mF/50V 20%.	4835 124 47014
	C630	ELECT 10mF/50V 20%	4835 124 47202
	C632	ELECT 220mF/6.3V 20%	4835 124 47168
	C633	ELECT 100mF/16V 20%.	4835 124 47033
	C634	ELECT 100mF/16V 20%.	4835 124 47033
	C635	ELECT 47mF/16V 20% H7.	4835 124 47073
	C636	ELECT 100mF/16V 20%.	4835 124 47033
	C637	ELECT 47mF/16V 20% H7.	4835 124 47073
	C638	ELECT 1mF/50V 20%.	4835 124 47014
	C639	ELECT 22mF/50V 20%	4835 124 47051
	C801	-4>SEMI CAP 0.033mF/25V 10% (YR) . . .	4835 122 47288
	C802	ELECT 0.47mF/50V 20%	4835 124 47155
	C803	ELECT 47mF/10V 20%	4835 124 47242
	C805	ELECT 330mF/16V 20%.	4835 124 47008
	C807	ELECT 1000mF/16V 20%	4835 124 47005
	C808	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
	C809	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
	CN202	CONNECTOR 8P TMC-J08P-A1	J3TM A08 TG002
	CN301	CONNECTOR BASE 7P TUC-P07P-B1.	J3TU A07 TG001
	CN303	CONNECTOR BASE 7P TUC-P07P-B1.	J3TU A07 TG001
	CN304	CONNECTOR BASE 5P TUC-P05P-B1.	J3TU A05 TG001
	CN471	FFC CONNECTOR BASE TOP 4P 9604S-04C. .	JC04 J04 ER002
	CN601	CONNECTOR BASE 2P TV-50P-02-V1	J3RT C02 TG001
	CN602	CONNECTOR BASE 6P TUC-P06P-B1.	J3TU A06 TG001
	CN801	STRAIGHT CONNECTOR BASEor.	J383 C02 UG002
	CN851	FFC CONNECTOR BASE TOP 17P 9604S-17C .	JC04 J17 ER002
	CN852	CABLE CONNECTOR 2P TMC-E02X-A1	4835 263 97018
	D201	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D205	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D206	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D209	LED SIR-56ST3F-M	4835 130 87154
	D211	LED LTL-4214M1	4835 130 87149
	D214	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D215	ZENER DIODE MTZJT-776.8B	4835 130 37881
	D216	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D217	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D218	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D219	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D220	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D221	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D222	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D224	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D225	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D226	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D227	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D271	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D301	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D302	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D303	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D304	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D305	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D306	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D307	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D308	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D310	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D311	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D323	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D324	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D325	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D371	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D441	ZENER DIODE MTZJT-775.6B	4835 130 37329
S	D602	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D603	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D604	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D605	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D606	ZENER DIODE MTZJT-7720C.	4835 130 37983
S	D610	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D611	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D612	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D613	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D614	ZENER DIODE MTZJT-776.8B	4835 130 37881
S	D615	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D616	SWITCHING DIODE 1ZC30.	4835 130 37982
S	D617	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D618	SCHOTTKY BARRIER DIODE ERA81-004 . . .	4835 130 37211
S	D619	SCHOTTKY BARRIER DIODE ERA81-004 . . .	4835 130 37211
	D620	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D621	FAST RECOVERY DIODE ERC25-06	4835 130 37898
	D623	FILM CAP.(P) 0.01mF/50V 5% TV.	4835 121 47461
	D624	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D626	ZENER DIODE MTZJT-7736A.	4835 130 37785
S	D627	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D629	CARBON RES. 1/4W J 8.2Kohm	4835 110 57264
S	D630	ZENER DIODE MTZJT-776.8A	4835 130 37971
	D631	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D632	ZENER DIODE MTZJT-779.1A	4835 130 37506
	D633	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D634	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D635	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D636	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D637	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D638	ZENER DIODE MTZJT-776.2A	4835 130 37959
S	D640	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D641	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D642	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D643	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D644	ZENER DIODE MTZJT-772.2B	4835 130 37961
S	D645	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D646	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D647	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D648	ZENER DIODE MTZJT-776.2A	4835 130 37959
	D649	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D650	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D651	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D652	ZENER DIODE MTZJT-7720B.	4835 130 37965
	D653	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D654	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D655	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	D801	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D810	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D811	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D850	ZENER DIODE MTZJT-775.6B	4835 130 37329
	J146	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	IC201	MICROCOMPUTER 16BIT M37760MCA8A4GP . .	4835 209 17629
	IC202	IC:MEMORY AT24C02N-10SC.	4835 209 47434
	IC203	IC:RESET BMR-0101C	4835 209 47438
S	IC204	IC BA6955N	4835 209 47404
	IC207	IC:OP-AMP. LM324N.	4835 209 87763
S	IC301	IC:CHROMA/IF 1 CHIP M52772FP	4835 209 47435
	IC401	IC:Y/C/A LA71077M.	4835 209 47439
S	IC601	PHOTOCOUPLER LTV-817B-F.	4835 130 37977
S	IC602	IC:VOLTAGE REGULATOR 5V KIA7805PI. . .	4835 209 88129
S	IC801	IC TDA7231A.	4835 209 88115
	J098	INDUCTOR 2.2mH-J-26T	4835 157 57639
	L001	INDUCTOR 100mH-J-5T.	4835 157 57798
	L002	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L040	INDUCTOR 18mH-K-26T.	4835 157 57371
	L201	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L246	INDUCTOR 0.1mH-M-26T	4835 157 58236
	L303	INDUCTOR 10mH-J-26T.	4835 157 57643
	L321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L361	INDUCTOR 12mH-J-26T.	4835 157 58071
	L362	INDUCTOR 18mH-K-26T.	4835 157 57371
	L422	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L423	INDUCTOR 100mH-J-26T	4835 157 57644
	L442	INDUCTOR 100mH-J-26T	4835 157 57644
	L470	INDUCTOR 22mH-J-26T.	4835 157 57641
	L481	INDUCTOR 47mH-K-5FT.	4835 157 57375
S	L601	LINE FILTER 5.0mH 6Y075.	4835 154 97202
	L602	CHOKE COIL 47mH-K.	4835 157 58208
	Q201	RESET KTC3199(GR) NPN.	4835 130 47914
	Q202	PHOTO TRANSISTOR ST-319R2-B.	4835 130 48138
	Q203	PHOTO TRANSISTOR ST-319R2-B.	4835 130 48138
	Q204	PHOTO TRANSISTOR ST-319R2-B.	4835 130 48138
	Q210	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q309	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q310	BUFFER 2SA1317(U) PNP.	4835 130 47422
	Q311	SWITCHING 2SC3468(D)-AE NPN.	4835 130 47981
	Q312	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q313	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q314	AMP KTC3199(GR) NPN.	4835 130 47914
	Q315	AMP KTC3199(GR) NPN.	4835 130 47914
	Q422	SWITCHING 2SA1317(U) PNP	4835 130 47422
	Q431	AMP 2SA1317(U) PNP	4835 130 47422
	Q441	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q451	RES. BUILT-IN TRANSISTOR KRC103M NPN .	4835 130 47909
	Q481	SWITCHING 2SA1317(U) PNP	4835 130 47422
	Q482	BIAS OSC 2SC2120-O(TPE2) NPN	4835 130 47756
	Q483	SWITCHING 2SC3331(T) NPN	4835 130 47549
	Q484	SWITCHING 2SC3331(T) NPN	4835 130 47549
	Q485	RES. BUILT-IN TRANSISTOR KRA103M PNP .	4835 130 47907
S	Q601	LIMITER MOS FET 2SK2079-01MR	4835 130 48164
S	Q602	SWITCHING 2SC2120-O(TPE2) NPN.	4835 130 47756

S = Safety Part Be sure to use exact replacement part.

CCA191AT31 (continued)

S Q605	FEED BACK KTC3199(GR) NPN.	4835 130 47914
Q609	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S Q610	SWITCHING 2SB698(G) PNP.	4835 130 47915
Q611	SWITCHING KTC3199(GR) NPN.	4835 130 47914
Q612	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S Q615	+5V REGULATOR KTC3199(GR) NPN. . . .	4835 130 47914
S Q616	+9V REGULATOR KTC3199(GR) NPN. . . .	4835 130 47914
S Q617	+5V REGULATOR 2SD400 (F)	4835 130 47433
S Q618	+5V REGULATOR KTC3199(GR) NPN. . . .	4835 130 47914
S Q619	+5V REGULATOR KTC3199(GR) NPN. . . .	4835 130 47914
Q801	SWITCHING KTC3199(GR) NPN.	4835 130 47914
R001	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R002	CARBON RES. 1/4W 5% 15kohm	4835 110 57032
R003	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R011	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
R012	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
R030	CARBON RES. 1/4W 5% 220ohm	4835 110 57037
R031	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R100	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R101	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R102	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
R103	CARBON RES. 1/4W 5% 2.7kohm.	4835 110 57006
R104	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R105	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R106	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
R107	CARBON RES. 1/4W 5% 2.7kohm.	4835 110 57006
R108	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
R109	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R110	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R201	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
R202	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
R203	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
R205	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R206	CARBON RES. 1/4W 5% 820kohm.	4835 110 57344
R207	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
R208	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R209	CARBON RES. 1/4W 5% 560kohm.	4835 110 57053
R215	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R217	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
R218	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
R219	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R220	CARBON RES. 1/4W 5% 8.2kohm.	4835 110 57264
R221	CARBON RES. 1/4W 5% 8.2kohm.	4835 110 57264
R222	CARBON RES. 1/4W 5% 820ohm	4835 110 57059
R223	CARBON RES. 1/4W 5% 820ohm	4835 110 57059
R224	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
R225	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R226	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
R227	CARBON RES. 1/4W 5% 47ohm.	4835 110 57019
R228	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
R229	CARBON RES. 1/4W 5% 1.2kohm.	4835 110 57027
R231	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R233	CARBON RES. 1/4W 5% 10Mohm	4835 110 57288
R234	CARBON RES. 1/4W 5% 470kohm.	4835 110 57225
R239	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
R242	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R243	CARBON RES. 1/4W 5% 470ohm	4835 110 57167
R244	CARBON RES. 1/4W 5% 1Mohm.	4835 110 57272
R245	CARBON RES. 1/4W 5% 5.6kohm.	4835 110 57304
R246	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R248	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
R249	CARBON RES. 1/4W 5% 68kohm	4835 110 57168
R250	CARBON RES. 1/4W 5% 270ohm	4835 110 57041
R251	CARBON RES. 1/4W 5% 270ohm	4835 110 57041
R252	CARBON RES. 1/4W 5% 820ohm	4835 110 57059
R253	CARBON RES. 1/4W 5% 470ohm	4835 110 57167
R254	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
R255	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
R256	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
R257	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
R258	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
R259	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
R260	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
S R265	METAL RESISTOR 1W 5% 2.7ohm.	4835 116 57346
R266	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
R267	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R268	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R269	CARBON RES. 1/4W 5% 39ohm.	4835 110 57188
R270	CARBON RES. 1/4W 5% 39ohm.	4835 110 57188
R271	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R273	CARBON RES. 1/4W 5% 560kohm.	4835 110 57053
R274	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
R275	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R276	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R277	CARBON RES. 1/4W 5% 5.6kohm.	4835 110 57304
R278	CARBON RES. 1/4W 5% 47kohm	4835 110 57189
R280	CARBON RES. 1/4W 5% 5.6kohm.	4835 110 57304
R281	CARBON RES. 1/4W 5% 5.6kohm.	4835 110 57304
R282	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
R283	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
R284	CARBON RES. 1/4W 5% 39kohm	4835 110 57262
R285	CARBON RES. 1/4W 5% 220kohm.	4835 110 57208
R286	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R287	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R288	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R289	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R291	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
R292	CARBON RES. 1/4W 5% 1.8kohm.	4835 110 57033
R293	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
R296	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
R301	CARBON RES. 1/4W 5% 56kohm	4835 110 57213
R302	CARBON RES. 1/4W 5% 390kohm.	4835 110 57263
R303	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
R304	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
R305	CARBON RES. 1/4W 5% 220ohm	4835 110 57037
R306	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R307	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R309	CARBON RES. 1/4W 5% 2.7kohm.	4835 110 57006
R310	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R311	CARBON RES. 1/4W 5% 390kohm.	4835 110 57263
R314	CARBON RES. 1/4W 5% 6.8kohm.	4835 110 57193
R316	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R317	CARBON RES. 1/4W 5% 33kohm	4835 110 57211
R320	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R321	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R323	CARBON RES. 1/4W 5% 330kohm.	4835 110 57197
R324	CARBON RES. 1/4W 5% 18kohm	4835 110 57034
R325	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
R326	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
R327	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
R328	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
R329	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
R330	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
R331	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
R332	CARBON RES. 1/4W 5% 27kohm	4835 111 37182
R333	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
R334	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R335	CARBON RES. 1/4W 5% 22ohm.	4835 110 57036
R337	CARBON RES. 1/4W 5% 470ohm	4835 110 57167
R338	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R343	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R344	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
R347	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
R348	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
R350	CARBON RES. 1/4W 5% 330ohm	4835 110 57045
R352	CARBON RES. 1/4W 5% 12kohm	4835 110 57282
R354	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R355	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
R357	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R358	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R363	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R366	CARBON RES. 1/4W 5% 220ohm	4835 110 57037
R367	CARBON RES. 1/4W 5% 330ohm	4835 110 57045
R368	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
R369	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R371	CARBON RES. 1/4W 5% 10Mohm	4835 110 57288
R374	CARBON RES. 1/4W 5% 470kohm.	4835 110 57225
R375	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
R376	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R377	CARBON RES. 1/4W 5% 56kohm	4835 110 57213
R378	CARBON RES. 1/4W 5% 56kohm	4835 110 57213
R379	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R380	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
R381	CARBON RES. 1/4W 5% 220ohm	4835 110 57037
R382	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R383	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R384	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
R386	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
R387	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R388	CARBON RES. 1/4W 5% 270ohm	4835 110 57041
R394	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R395	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R401	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R402	CARBON RES. 1/4W 5% 8.2kohm.	4835 110 57264
R403	CARBON RES. 1/4W 5% 12kohm	4835 110 57282
R404	CARBON RES. 1/4W 5% 330kohm.	4835 110 57197
R405	CARBON RES. 1/4W 5% 120ohm	4835 110 57217
R406	CARBON RES. 1/4W 5% 18kohm	4835 110 57034
R407	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R410	CARBON RES. 1/4W 5% 15kohm	4835 110 57032
R411	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
R413	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R414	CARBON RES. 1/4W 5% 15kohm	4835 110 57032
R415	CARBON RES. 1/4W 5% 47kohm	4835 110 57189
R416	CARBON RES. 1/4W 5% 47kohm	4835 110 57189
R419	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
R422	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R423	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
R424	CARBON RES. 1/4W 5% 12kohm	4835 110 57282
R425	CARBON RES. 1/4W 5% 330ohm	4835 110 57045
R426	CARBON RES. 1/4W 5% 330ohm	4835 110 57045
R428	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
R429	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
R430	CARBON RES. 1/4W 5% 1.8kohm.	4835 110 57033

S = Safety Part Be sure to use exact replacement part.

CCA191AT31 (continued)

	R432	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R433	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R434	CARBON RES. 1/4W 5% 3.3Mohm.	4835 110 57047
	R435	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
	R436	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
	R437	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R438	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R439	CARBON RES. 1/4W 5% 820ohm	4835 110 57059
	R440	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R441	CARBON RES. 1/4W 5% 180ohm	4835 110 57219
	R442	CARBON RES. 1/4W 5% 680kohm.	4835 110 57227
	R443	CARBON RES. 1/4W 5% 1.2kohm.	4835 110 57027
	R445	CARBON RES. 1/4W 5% 8.2kohm.	4835 110 57264
	R450	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
	R451	CARBON RES. 1/4W 5% 27kohm	4835 111 37182
	R452	CARBON RES. 1/4W 5% 2.2Mohm.	4835 110 57039
	R453	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
	R454	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
	R461	CARBON RES. 1/4W 5% 330ohm	4835 110 57045
	R462	CARBON RES. 1/4W 5% 2kohm.	4835 110 57253
	R464	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
	R465	CARBON RES. 1/4W 5% 6.8kohm.	4835 110 57193
	R466	CARBON RES. 1/4W 5% 8.2kohm.	4835 110 57264
	R467	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R468	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R480	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R481	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
	R482	CARBON RES. 1/4W 5% 47kohm	4835 110 57189
	R483	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R484	CARBON RES. 1/4W 5% 2.7kohm.	4835 110 57006
	R485	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R486	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R487	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R499	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R601	CARBON RES. 1/4W 5% 680kohm.	4835 110 57227
	R602	CARBON RES. 1/4W 5% 680kohm.	4835 110 57227
S	R604	METAL RES. 2W 5% 0.22ohm	4835 116 57572
S	R605	CEMENT RESISTOR 5W 10% 1.2ohm.	4835 113 87008
S	R606	CARBON RES. 1/2W 5% 3.3Mohm.	4835 110 47117
S	R607	METAL RESISTOR 2W 5% 220ohm.	4835 116 57792
S	R608	CARBON RES. 1/4W 5% 10ohm.	4835 110 57002
S	R609	METAL RESISTOR 2W 5% 220ohm.	4835 116 57792
	R611	CARBON RES. 1/4W 5% 1.2kohm.	4835 110 57027
	R612	CARBON RES. 1/4W 5% 3.9ohm	4835 110 57281
	R613	CARBON RES. 1/4W 5% 330ohm	4835 110 57045
	R614	CARBON RES. 1/4W 5% 47ohm.	4835 110 57019
	R615	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
	R616	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R619	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R625	CARBON RES. 1/4W 5% 12kohm	4835 110 57282
S	R626	CARBON RES. 1/4W 5% 12ohm.	4835 110 57252
S	R627	CARBON RES. 1/4W 5% 15ohm.	4835 110 57177
S	R628	FIXED METAL OXIDE FILM RES. 2W 5% 68ohm	4835 110 57573
S	R629	FIXED METAL OXIDE FILM RES. 2W 5% 68ohm	4835 110 57573
S	R630	CARBON RES. 1/4W 5% 470ohm	4835 110 57167
S	R631	CARBON RES. 1/4W 5% 5.6kohm.	4835 110 57304
S	R635	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
	R640	CARBON RES. 1/4W 5% 33kohm	4835 110 57211
S	R641	CEMENT RES. 5W 3.9Kohm H=25MM.	4835 113 87021
	R642	CARBON RES. 1/4W 5% 1.8kohm.	4835 110 57033
	R643	CARBON RES. 1/4W 5% 1.8kohm.	4835 110 57033
S	R644	METAL RESISTOR 2W 5% 6.8kohm	4835 116 67303
	R645	CARBON RES. 1/4W 5% 820ohm	4835 110 57059
S	R646	CARBON RES. 1/4W 5% 47kohm	4835 110 57189
S	R647	CARBON RES. 1/4W 5% 39kohm	4835 110 57262
S	R648	CARBON RES. 1/4W 5% 15kohm	4835 110 57032
S	R649	CARBON RES. 1/4W 5% 15kohm	4835 110 57032
S	R650	CARBON RES. 1/4W 5% 15kohm	4835 110 57032
S	R651	METAL RESISTOR 2W 5% 560ohm.	4835 116 57123
	R652	CARBON RES. 1/4W 5% 56kohm	4835 110 57213
	R653	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R654	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
S	R655	CARBON RES. 1/4W 5% 6.8kohm.	4835 110 57193
	R656	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R657	CARBON RES. 1/4W 5% 6.8kohm.	4835 110 57193
	R658	CARBON RES. 1/4W 5% 15kohm	4835 110 57032
	R660	CARBON RES. 1/4W 5% 47kohm	4835 110 57189
	R661	CARBON RES. 1/4W 5% 220kohm.	4835 110 57208
	R662	CARBON RES. 1/4W 5% 220ohm	4835 110 57037
	R663	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
S	R665	CARBON RES. 1/4W 5% 10ohm.	4835 110 57002
S	R666	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
S	R667	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
S	R668	CARBON RES. 1/2W 5% 15ohm.	4835 110 47063
	R669	CARBON RES. 1/4W 5% 2.7kohm.	4835 110 57006
	R670	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R671	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R672	METAL RES. 2W 5% 12ohm	4835 116 57075
	R673	CARBON RES. 1/4W 5% 39ohm.	4835 110 57188
	R674	CARBON RES. 1/4W 5% 270ohm	4835 110 57041
	R675	CARBON RES. 1/4W 5% 470ohm	4835 110 57167
	R701	CARBON RES. 1/4W 5% 75ohm.	4835 110 57056
	R702	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R703	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R801	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
	R803	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R805	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R806	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
S	R807	METAL RESISTOR 1W 5% 12ohm	4835 116 57639
S	R808	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R809	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R810	CARBON RES. RD 1/2W 5% 120ohm.	4835 110 57255
	R811	CARBON RES. 1/4W 5% 10ohm.	4835 110 57002
	R812	CARBON RES. 1/4W 5% 820ohm	4835 110 57059
	SW101	TACT SWITCH SKQSAB	4835 276 17331
	SW102	TACT SWITCH SKQSAB	4835 276 17331
	SW103	TACT SWITCH SKQSAB	4835 276 17331
	SW104	TACT SWITCH SKQSAB	4835 276 17331
	SW105	TACT SWITCH SKQSAB	4835 276 17331
	SW106	TACT SWITCH SKQSAB	4835 276 17331
	SW107	TACT SWITCH SKQSAB	4835 276 17331
	SW108	TACT SWITCH SKQSAB	4835 276 17331
	SW109	TACT SWITCH SKQSAB	4835 276 17331
	SW110	TACT SWITCH SKQSAB	4835 276 17331
	SW201	PUSH SWITCH SPPB61066A	4835 276 17213
	T301	VCO COIL KHI-821023.	4835 140 67127
S	T601	SWITCHING TRANS S1729F	4835 148 87374
S	VR601	CARBON P.O.T. 10Kohm B	4835 100 97516
	X201	CRYSTAL OSCILLATOR HC-49/U	4835 242 77326
	X202	CRYSTAL OSCILLATOR 32kHz(10PPM).	4835 242 77091
	X301	CER RESONATOR CSB503F18.	4835 242 77226
	X321	CRYSTAL OSCILLATOR 3.579545 MHz.	4835 242 77308
	X401	CRYSTAL OSCILLATOR 3.579545MHz	4835 242 77093
	BC601	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC602	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC603	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC605	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC607	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC608	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC609	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	CF301	CER FILTER SFSH4.5MCB.	4835 153 97029
	CF302	CER TRAP TPS4.5MB2	4835 153 97048
S	F601	FUSE TDS4A125VU/C.	4835 253 97153
	FH601	FUSE HOLDER MSF-015.	XH01 Z00 LY001
	FH602	FUSE HOLDER MSF-015.	XH01 Z00 LY001
	JK701	RCA JACK(YELLOW) RJ-1066-04-1030	4835 265 97402
	JK702	RCA JACK(WHITE) RJ-1066-03-1030.	4835 265 97401
	JK801	EARPHONE JACK HSJ1403-01-010	4835 265 97306
S	PS601	POSISTOR ZPB58BL7R0F	4835 100 97281
	RS201	REMOTE RECEIVER PIC-26042LU.	4835 210 27058
S	SA601	SURGE ABSORBER JVR-07N471K	4835 252 27024
	SF003	SAW FILTER TSF5229P.	4835 153 97062
S	SG601	GAP. G3.10D.	4835 252 27023
	SP801	SPEAKER S08F02B.	4835 240 17019
	TB5	BUSH LED(E).	0000 VM4 08832
	TB7	19V POW HEAT SINK PDM ASSEMBLY	0000 EM4 04719
	TB16	BUSH LED(D).	0000 VM4 08655
	TL1	SCREW P-TIGHT 3X12ohmASHER HEAD+	0000 GCM P3120
	TL3	SCREW B-TIGHT 3X8 BIND HEAD+	0000 GBM B3080
	TL4	SCREW S-TIGHT 3X4 BIND HEAD+	0000 GBM S3040
	TL8	SCREW B-TIGHT M3X25 BIND HEAD+	0000 GBM B3250
	TU001	TUNER UNIT TEDH9-002A.	4835 210 47107
S	W601	AC CORD 9806190.	4835 321 17101

H.V. CBA

H.V. CBA

	C552	MYLAR CAP. 0.1mF/50V 5% TV	4835 122 47451
	C553	ELECT 2.2mF/50V 20% LL	4835 124 47183
	C554	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	C555	ELECT 47mF/35V 20%	4835 124 97066
	C556	ELECT 1000mF/25V 20%	4835 124 47007
	C558	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
	C559	ELECT 100mF/35V 20%.	4835 124 47233
	C560	FILM CAP.(P) 0.027mF/50V 5% TV	4835 121 47576
S	C572	P.P. CAP. 0.39mF/200V 5%	4835 121 47667
S	C574	ELECT 4.7mF/250V	4835 124 47465
	C577	MYLAR CAP. 0.01mF/50V 5% TV.	4835 121 47461
	C578	ELECT 47mF/35V 20%	4835 124 97066
S	C580	METAL FILM. 0.01mF/1.6kV 5%.	4835 121 47622
	C584	ELECT 1mF/160V 20%	4835 124 47516
S	C591	ELECT 1mF/50V 20%.	4835 124 47014
S	C592	ELECT 47mF/35V 20%	4835 124 97066
	C594	ELECT 10mF/160V 20%.	4835 124 47742
	CN571	CONNECTOR BASE 5P.	0000 017 30813
	D552	RECTIFIER DIODE ERA15-02	4835 130 37515
	D555	ZENER DIODE MTZJT-7720B.	4835 130 37965
S	D571	FAST RECOVERY DIODE ERB44-02	4835 130 37944
S	D572	RECTIFIER DIODE ERA22-02	4835 130 37788
	D573	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	D584	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D585	ZENER DIODE MTZJT-776.2B	4835 130 37593
S	D591	ZENER DIODE MTZJT-7736B.	4835 130 37785
	D595	ZENER DIODE MTZJT-7720B	
S	D596	SWITCHING DIODE 1SS133(T-77)	4835 130 37235

S = Safety Part Be sure to use exact replacement part.

CCA191AT31 (continued)

S D597	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S D598	RECTIFIER DIODE ERA22-02	4835 130 37788
S IC551	IC LA7840.	4835 209 47437
S L572	INDUCTOR 33mH-J-26T.	4835 157 57373
Q541	BEAD INDUCTOR FBA04HA600VB-00.	LLBF 00S TU026
Q551	SWITCHING KTC3199(GR) NPN.	4835 130 47914
Q552	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S Q571	H-OUTPUT TT2024-YB	4835 130 48165
S Q572	H-DR 2SC1627Y-TPE2 NPN	4835 130 48141
S Q591	SWITCHING KTC3199(GR) NPN.	4835 130 47914
J567	CARBON RES. 1/4W 5% 1ohm	4835 110 57229
R542	PCB JUMPER D0.6-P12.5.	0000 0JW 12.5T
R551	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
S R552	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R553	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R554	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R555	CARBON RES. 1/4W 5% 1.8kohm.	4835 110 57033
R556	CARBON RES. 1/4W 5% 4.7ohm	4835 110 57212
R557	CARBON RES. 1/4W 5% 470ohm	4835 110 57167
R558	CARBON RES. 1/4W 5% 56kohm	4835 110 57213
R559	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R560	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
R561	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
R562	CARBON RES. 1/4W 5% 3.3ohm	4835 110 57026
R563	CARBON RES. 1/4W 5% 3.3ohm	4835 110 57026
R566	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R572	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R573	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
S R574	METAL RESISTOR 2W 5% 1kohm	4835 116 57057
S R575	METAL RESISTOR 2W 5% 1kohm	4835 116 57057
R576	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R577	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
R580	CARBON RES. 1/4W 5% 47ohm.	4835 110 57019
R580	CARBON RES. 1/6W 5% 47ohm.	4835 111 37192
S R581	CARBON RES. 1/4W 5% 1ohm	4835 110 57229
S R582	CARBON RES. 1/4W 5% 1ohm	4835 110 57229
S R583	METAL RESISTOR 2W 5% 1.5ohm.	4835 110 27004
S R584	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R585	CARBON RES. 1/4W 5% 8.2kohm.	4835 110 57264
R586	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R587	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
R588	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
R589	CARBON RES. 1/4W 5% 47ohm.	4835 110 57019
R589	CARBON RES. 1/6W 5% 47ohm.	4835 111 37192
S R591	CARBON RES. 1/4W 5% 33kohm	4835 110 57211
S R592	CARBON RES. 1/4W 5% 180kohm.	4835 110 57259
S R593	CARBON RES. 1/4W 5% 68kohm	4835 110 57168
S R594	CARBON RES. 1/4W 5% 56kohm	4835 110 57213
R596	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S R597	CARBON RES. 1/4W 5% 6.8kohm.	4835 110 57193
S R598	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
S R599	CARBON RES. 1/4W 5% 5.6kohm.	4835 110 57304
S T571	FLYBACK TRANS FCA169	4835 140 67195
S T572	HORIZONTAL DR TRANS LP2-003.	4835 140 17006
BC571	BEAD INDUCTOR FBA04HA600VB-00.	LLBF 00S TU026
DB1	H/V PCB HOLDER T5000UA	0000 EM2 00987
DB2	19V H/V HEAT SINK(PDQ) T7000UA	0000 EM4 04776
DB3	WASHER 12X3.2XT1	0000 0WP M3121
DB4	19V CHASSIS NO.LABEL DJ T7000UA.	0000 EM4 04738
DL1	SCREW P-TIGHT 3X10 BIND HEAD	0000 GBU P3100
DL2	SCREW B-TIGHT 3X8 BIND HEAD+	0000 GBM B3080
CL501A	LEADohmIRE 3P 400mm.	WX1T 700 0-001
CL502A	LEADohmIRE 6P 430mm.	WX1T 700 0-003
CL503A	LEADohmIRE 7P 560MM.	WX1T 700 0-004
CL504A	LEADohmIRE 5P 320MM.	WX1T 700 0-002
WH501A	WIRE HOLDER 3P HWT0200-03.	XW0H T03 C7001
WH502A	WIRE HOLDER 6P HWT0200-06.	XW0H T06 C7001
WH503A	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
WH504A	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001

CRT CBA

CRT CBA

C501	CER CAP.(AX) 330pF/50V 10% (B)	4835 122 47047
C502	CER CAP.(AX) 330pF/50V 10% (B)	4835 122 47047
C503	CER CAP.(AX) 330pF/50V 10% (B)	4835 122 47047
C504	ELECT 47mF/16V 20%	4835 124 47073
C507	ELECT 1mF/50V 20%.	4835 124 47014
C510	CER CAP. 0.001mF/2kV	4835 122 37048
CN501	CONNECTOR PIN 005P-5100.	JTEA 001 TG001
D501	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D502	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D503	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
L501	INDUCTOR 180mH-J	4835 157 58227
Q501	RED AMP 2SC2482 TPE6 NPN	4835 130 48046
Q502	GREEN AMP 2SC2482 TPE6 NPN	4835 130 48046
Q503	BLUE AMP 2SC2482 TPE6 NPN.	4835 130 48046
S R501	METAL RESISTOR 1W 5% 15kohm.	4835 116 87019
S R502	METAL RESISTOR 1W 5% 15kohm.	4835 116 87019
S R503	METAL RESISTOR 1W 5% 15kohm.	4835 116 87019
R506	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R507	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R508	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R511	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R512	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R513	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R514	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R516	CARBON RES. 1/4W 5% 15ohm.	4835 110 57177
R517	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
R518	CARBON RES. 1/4W 5% 15ohm.	4835 110 57177
R519	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
R520	CARBON RES. 1/4W 5% 15ohm.	4835 110 57177
R521	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
R531	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
R532	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
R534	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R535	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R536	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
S JK501	CRT SOCKET ISHS40S	4835 265 97454
WH501B	WIRE HOLDER 3P HWT0200-03.	XW0H T03 C7001
WH502B	WIRE HOLDER 6P HWT0200-06.	XW0H T06 C7001
WH503B	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
WH504B	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001

JUNCTION A CBA

JUNCTION A CBA

CN504	CONNECTOR 5P TUC-P05X-B1	JCTU S05 TG001

JUNCTION B CBA

JUNCTION B CBA

CN502	CONNECTOR 6P TUC-P06X-B1	JCTU S06 TG001
CN503	CONNECTOR 7P TUC-P07X-B1	JCTU S07 TG001

CHASSIS ELECTRICAL PARTS

CHASSIS ELECTRICAL PARTS

CL802	WIRE ASSEMBLY 2P/150	WX1B 590 0-001
S DG601	DEGAUSSING COIL AVDG015.	4835 157 97055
S V501	CRT PCEC:003502013301.	4835 131 27162
S L551	DEFLECTION YOKE PCEC:003502013602.	4835 150 17167
V501-1	C.P. MAGNET 6A062704	XM04 000 B8001
V501-2	RUBBER MAGNET 20X10X1.2.	XM05 000 BV001
V501-5	WEDGE FT-00110W.	XV10 000 T4001

MECHANICAL PARTS

MECHANICAL PARTS

A1-1	FRONT CABINET.	4835 443 47568
A1-2	CONTROL PLATE.	4835 443 67465
A1-4	CASSETTE DOOR.	4835 443 67466
A1-5	DOOR SPRING.	4835 492 97212
A1-6	CLOTH(4X7XT0.7).	000O EM4 04974
A2	REAR CABINET	4835 443 47604
S A3	RATING LABEL	000O EM4 04859
A4	POP LABEL.	000O EM4 05003
B1	TENSION SPRING B0080B0:EM40808	4835 492 37025
B2	CRT MOUNTING SCREW PCEC.-00103817-1820	000O EMN 01296
B3	SHIELD PLATE	000O EM4 04783
S B4	DEGAUSS HOLDER PCEC:00645991-0009.	000O EMN 01294
B5	CLOTH 190X15XT0.5.	0000 00T S7623
L1	SCREW M4X18 PCEC:00103371-1809	000O EMN 01297
L2	SCREW TAPPING M4X14.	0000 DBU 14140
L3	SCREW C-TIGHT M3X4 BIND HEAD+.	0000 GBM C3040
L4	SCREW ASSEMBLED 12:M3X14	000O EM4 04416
S1	CARTON .	000O EM4 04865
S2	STYROFOAM TOP.	000O EM0 00319
S3	STYRO FOAM BOTTOM.	000O EM0 00320
S4	SERIAL NO. LABEL(P).	000O EM4 04103
S6	SET SHEET :1000X1700	000O EM4 02178
S14	TVCR HOLD PAD(MEX)	000O EM4 04940
TB1	TRAY CHASSIS	00OE M00 0302H
TB2	TOP SHIELD	000O EM2 00995
TB3	HEAD SHIELD.	000O EM3 01241
TB6	SPEAKER HOLDER	4835 256 37015
TB8	CRITICAL PARTSohmARNING LABEL.	0000 024 LH199
TB9	BOTTOM SHIELD.	000O EM3 01132
TB13	RCA HOLDER	000O EM4 04220
TB14	19V CHASSIS NO. LABEL TJ	000O EM4 04739
TB18	WASHER(D8)	000O VM4 08931
TB20	CLOTH(10X30XT0.5).	000O EM4 04486
TL1	SCREW P-TIGHT 3X12ohmASHER HEAD+	0000 GCM P3120
TL3	SCREW B-TIGHT 3X8 BIND HEAD+	0000 GBM B3080
TL4	SCREW S-TIGHT 3X4 BIND HEAD+	0000 GBM S3040
TL8	SCREW B-TIGHT M3X25 BIND HEAD+	0000 GBM B3250
X1	POLYETHYLENE BAG PCEC:64556(H)003.	000O EMN 01300
S X2	OWNERS MANUAL.	00IB 811 5E001
X3	RE MOTE CONTROL UNIT	4835 218 37249
X4	DRY BATTERY R6PUM3 or.	4835 138 17012
X7	SERVICE CENTER MAP H7220UD	000O VMN 01909
X8	REGISTRATION CARD PCEC:00EL6192E001.	000O EMN 01302
S X9	IMPORTANT SAFEGUARDS PCEC:OOEL4496E006	000O EMN 01233
X10	REGISTRATION LABEL PCEC:OOEL5031E001	000O EMN 01301
X21	SERVICE CONTRACT CARD:TVCR PCEC:EL6260E 001.	000O EMN 01338
X23	CATALOG.	000O EMN 01486

DECK PARTS

DECK PARTS

S = Safety Part Be sure to use exact replacement part.

CCA191AT31 (continued)

2B6	DECK EARTH PLATE U17	0000 VM4 08662
2L051	SCREW, S-TIGHT M3X5 BIND HEAD+	0000 GBM S3050
B1	CHASSIS ASSEMBLY MK8	0000 VSA 09370
B2	CYLINDER ASSEMBLY(MK8) NTSC 2HD SQPB	4835 691 27306
B3	LOAD MTR ASSEMBLY MK7.	4835 361 27157
B4	MTR HOLDER MK8	4835 256 97343
B8	PULLEY ASSEMBLY MK6.	4835 528 87052
B9	MOVING GUIDE S PREPARATION MK7	4835 402 97757
B10	MOVING GUIDE T PREPARATION MK7	4835 402 97758
B11	LOAD ARM T ASSEMBLY MK7.	4835 464 57446
B12	LOAD ARM S ASSEMBLY MK8.	4835 464 57497
B13	LOAD LEVER ASSEMBLY MK7.	4835 464 57443
B15	LUMIRRORohmASHER 3.1X6X0.35.	0000 VM4 03269
B21	LOAD BELT MK6.	4835 358 37149
B27	TENSION LEVER ASSEMBLY MK8	4835 464 57494
B31	AC HEAD ASSEMBLY MK7	4835 249 17013
B32	REEL(T) MK8.	4835 528 17048
B35	TAPE GUIDE ASSEMBLY MK8.	4835 464 57486
B37	CAPSTAN MTR F2QTB36.	4835 361 27158
B38	MODE LEVER MK8	4835 402 97798
B46	TAPE GUIDE ARM SPRING MK6.	000V M40 7704C
B47	ADJUST SCREW M2.6X6(SOD)	0000 VM4 09436
B51	FF ARM MK8	4835 402 97803
B52	CAPSTAN BELT(2) MK6.	4835 358 37148
B53	REEL P.S.W MK8	4835 528 17049
B73	FE HEAD(MK7) HVFHP0019A.	4835 249 17011
B74	PRISM MK8.	4835 464 57479
B81	M LEVER HOLDER MK7	4835 256 97336
B108	P.S.W F.	000V M40 2629A
B121	WORM MK6	4835 522 37344
B122	P.S.W C.	0000 VM4 02626
B123	P.S.W (WORM THRUST).	0000 VM4 03348
B126	PULLEY MK6	4835 528 87049
B132	CLUTCH ASSEMBLY MK8.	4835 464 57496
B133	IDLER ASSEMBLY MK8	4835 464 57495
B142	SHAFT LOCK ASSEMBLY.	4835 464 57248
B144	CLUTCHohmASHER MK2	0000 VM4 04428
B145	MAIN LEVER ASSEMBLY MK7.	4835 464 57444
B148	TG CAP MK6	4835 402 97804
B300	FL ASSEMBLY MK8.	4835 130 97103
B302	RACK MK8	4835 402 97799
B303	FRONT DOOR OPENER MK7.	4835 402 97817
B304	DOOR OPENER MK7.	4835 402 97818
B308	SLIDER SHAFT MK8	0000 VM4 09335
B313	DR GEAR SPRING MK7	4835 522 37367
B319	CASSETTE SPRING MK8.	0000 VM4 09333
B329	HOLDER KICK ARM N MK6.	000V M30 2956B
B332	HOLDER ARM SPRING MK6.	000V M40 8062B
B339	REEL(S) MK8.	4835 528 17047
B344	CASSETTE GUIDE R MK8	4835 402 97797
B345	CASSETTE GUIDE L MK8	4835 402 97796
B347	GUIDE HOLDER(F) MK8.	4835 256 97342
B348	GUIDE HOLDER R MK8	4835 256 97341
B350	SLIDER GEAR MK8.	4835 522 37368
B352	CASSETTE DR GEAR(N) MK6.	4835 522 37354
B353	CASSETTE PLATE SUB ASSEMBLY MK8.	4835 464 57491
B354	SLIDER(R) MK8.	4835 466 47055
B355	SLIDER(L) MK8.	4835 466 47054
B358	CAM MK7.	4835 528 37038
B365	RADIATOR PLATE MK7	0000 VM4 08563
B401	VH CONNECTOR 4A MK7.	0000 VM3 03174
B402	VH CONNECTOR 4B MK6.	0000 VM4 07671
B403	ACH CONNECTOR A MK7.	4835 402 97801
B404	ACH CONNECTOR B MK7.	0000 VM4 08582
B405	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B406	SENSOR GEAR MK7.	4835 522 37369
B407	M GEAR MK6	4835 522 37345
B409	EJECT SPRING MK7	0000 VM4 08716
B410	PINCH ROLLER ASSEMBLY MK8.	4835 464 57493
B411	PINCH SPRING MK8	0000 VM4 09340
B412	S BRAKE LEVER MK7.	4835 402 97794
B413	M BRAKE T SUB ASSEMBLY MK7	4835 464 57484
B414	M BRAKE S ASSEMBLY MK7	4835 464 57438
B415	S BRAKE L SPRING MK7	0000 VM4 08556
B416	M BRAKE T SPRING MK7	0000 VM4 08588
B417	TENSION SPRING MK8	0000 VM4 09452
B418	TENSION PLATE MK8.	0000 VM4 09451
B419	BT ARM MK7	4835 402 97752
B420	REC ARM MK7.	4835 402 97754
B421	REC ARM SPRING MK6	000V M40 7708D
B425	LOCK LEVER SPRING MK7.	0000 VM4 08555
B426	KICK PULLEY MK6.	4835 528 87053
B427	KICK SPRING MK6.	0000 VM4 07701
B428	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B435	F BRAKE SPRING MK7	000V M40 8722A
B460	BT SPRING MK7.	0000 VM4 08551
B461	MAIN LEVER SPRING MK8.	0000 VM4 09494
B462	PRISM(L2) MK8.	4835 464 57482
B463	PRISM(R2) MK7.	4835 464 57481
B464	CASSETTE DR LEVER SUB ASSEMBLY MK7	4835 464 57445
B465	INSULATION COVER MK8	0000 VM3 03517
B468	SOFT SPRING A MK7.	0000 VM4 09214
B470	TAPE GUIDE ARM ASSEMBLY MK8.	4835 464 57485
B471	CASSETTE GUIDE R ASSEMBLY MK8.	4835 464 57487
B472	SLIDER R ASSEMBLY MK8.	4835 464 57488
B473	SLIDER L ASSEMBLY MK8.	4835 464 57489
B474	CASSETTE DR LEVER ASSEMBLY MK7	4835 402 97786
B475	BT ARM ASSEMBLY MK7.	4835 402 97787
B476	REC ARM ASSEMBLY MK7	4835 402 97788
L1051	SCREW, S-TIGHT M2.6X6 PAN HEAD +	0000 GPM S9060
L1053	SCREW PRISM MK7.	0000 VM4 09038
L1063	SCREW, S-TIGHT M2.6X4 PAN HEAD +	0000 GPM S9040
L1081	SCREW, S-TIGHT M3X6 BIND HEAD+	0000 GBM S3060
L1101	SCREW, P-TIGHT 3X10 BIND HEAD+	0000 GBM P3100
L1151	SCREW, SEMS M3X4 PAN HEAD +.	0000 CPM 33040
L1191	SCREW, P-TIGHT M2.6X12ohmASHER HEAD+	0000 GCM P9120
L1321	SCREW, P-TIGHT 3X8 BIND HEAD+.	0000 GBM P3080
L1341	SCREW, P-TIGHT M2.6X8 BIND HEAD+	0000 GBM P9080
L1342	SCREW, P-TIGHT M2.6X6 BIND HEAD+	0000 GBM P9060
L1402	SCREW, P-TIGHT M2X6ohmASHER HEAD+.	0000 GCM P2060
L1403	SCREW, P-TIGHT M3X10ohmASHER HEAD+	0000 GCM P3100
L1406	SCREW, S-TIGHT M2.6X4 CUP HEAD+.	0000 GCM S9040
L1407	SCREW, S-TIGHT M2.6X8 PAN HEAD +	0000 GPM S9080
L1450	SCREW, SEMS M2.6X5 PAN HEAD+	0000 CPM 39050
L1451	SCREW:SLIDER R MK7	0000 VM4 08853

Mode SW CBA (SWV)

Mode SW CBA (SWV)

B422	Mode SW CBA (SWV).	0000 VSA 09408
CL281	PARALLELohmIRE 2P AWG26/GREY/UL2651.	WX1N 800 2-001
R281	CARBON RES. 1/4W 3.6K ohm ‘2%.	4835 110 57373
R282	CARBON RES. 1/4W 1.5Kohm ‘2%	4835 110 57186
R283	CARBON RES. 1/4W 10Kohm ‘2%.	4835 110 57214
R284	CARBON RES. 1/4W 22Kohm ‘2%.	4835 110 57283
R285	CARBON RES. 1/4W 470 ohm ‘2%	4835 110 57167
SW281	MODE SWITCH HMW0420-910010	4835 276 17326

Main CBA

Main CBA

Cabinet Parts

Cabinet Parts

S = Safety Part Be sure to use exact replacement part.

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MAIN CBA

	MAIN CBA	
	MAIN CBA	0000 ESA 02961
C001	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C002	ELECT 100mF/10V 20%.	4835 124 47323
C007	ELECT 4.7mF/50V 20%.	4835 124 47088
C012	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C013	ELECT 1mF/50V 20%.	4835 124 47014
C032	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C040	CER CAP.(AX) 56pF/50V 5% (SL).	4835 122 47053
C201	CER CAP.(AX) 1000pF/50V 10% (B). . . .	4835 122 47215
C203	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C205	CER CAP.(AX) 0.01mF/16V 10% (Y). . . .	4835 122 47552
C208	CER CAP.(AX) 0.01mF/16V 10% (Y). . . .	4835 122 47552
C210	CER CAP.(AX)1000pF/50V 10% (B)	4835 122 47215
C211	CER CAP.(AX) 1000pF/50V 10% (B). . . .	4835 122 47215
C213	ELECT 47mF/6.3V 20% H7	4835 124 47154
C214	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C215	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C216	ELECT 1mF/50V 20% H7	4835 124 47045
C218	CER CAP.(AX) 10pF/50V 5% (CH).	4835 122 47003
C219	CER CAP.(AX) 15pF/50V 5% (CH).	4835 122 47085
C220	CER CAP.(AX) 20pF/50V 5% (CH).	4835 122 47547
C221	CER CAP.(AX) 20pF/50V 5% (CH).	4835 122 47547
C223	ELECT 220mF/6.3V 20% H7.	4835 124 47186
C225	CER CAP.(AX) 0.01mF/16V 10% (Y). . . .	4835 122 47552
C230	ELECT 47mF/16V 20% H7.	4835 124 47073
C231	ELECT 47mF/16V 20% H7.	4835 124 47073
C240	ELECT 22mF/16V 20% H7.	4835 124 47128
C241	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C242	CER CAP.(AX) 220pF/50V 10% (B)	4835 122 47006
C243	ELECT 1mF/50V 20% H7	4835 124 47045
C244	CER CAP.(AX) 1000pF/50V 10% (B). . . .	4835 122 47215
C245	CER CAP.(AX) 560pF/50V 10% (B)	4835 122 47206
C250	CER CAP.(AX) 0.01mF/16V 10% (Y). . . .	4835 122 47552
C251	CER CAP.(AX) 20pF/50V 5% (CH).	4835 122 47547
C252	CER CAP.(AX) 20pF/50V 5% (CH).	4835 122 47547
C253	CER CAP.(AX) 20pF/50V 5% (CH).	4835 122 47547
C256	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C258	ELECT 47mF/16V 20%	4835 124 47073
C259	CER CAP.(AX) 47pF/50V 5% (SL).	4835 122 37017
C264	CER CAP.(AX) 6800pF/16V 10% (X). . . .	4835 122 97078
C265	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C268	CER CAP.(AX) 100pF/50V 10% (B)	4835 122 47014
C269	CER CAP.(AX) 100pF/50V 10% (B)	4835 122 47014
C275	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C278	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C279	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C280	ELECT 22mF/16V 20%	4835 124 47175
C281	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C283	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C284	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C285	ELECT 22mF/16V 20% H7.	4835 124 47128
C286	ELECT 47mF/16V 20% H7.	4835 124 47073
C287	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C288	ELECT 22mF/16V 20% LL H7	4835 124 47175
C290	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C291	CER CAP.(AX) 0.01mF/16V 10% (Y). . . .	4835 122 47552
C292	ELECT 220mF/6.3V 20% H7.	4835 124 47186
C293	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C294	ELECT 22mF/16V 20% H7.	4835 124 47128
C296	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C299	ELECT 47mF/16V 20% H7.	4835 124 47073
C301	ELECT 22mF/16V 20%	4835 124 47175
C302	ELECT 100mF/10V 20%.	4835 124 47323
C303	CER CAP.(AX) 1000pF/50V 10% (B). . . .	4835 122 47215
C304	ELECT 100mF/10V 20%.	4835 124 47323
C305	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C306	CER CAP.(AX) 220pF/50V 10% (B)	4835 122 47006
C307	CER CAP.(AX) 220pF/50V 10% (B)	4835 122 47006
C308	CER CAP.(AX) 330pF/50V 10% (B)	4835 122 47047
C309	ELECT 1mF/50V 20%.	4835 124 47014
C310	CER CAP.(AX) 0.018mF/6V 20% (Y). . . .	4835 122 47693
C311	FILM CAP.(P) 0.0047mF/50V 5% TV. . . .	4835 121 47676
C321	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C322	ELECT 100mF/16V 20% H7	4835 124 47033
C323	CER CAP.(AX) 100pF/50V 10% (B)	4835 122 47014
C324	ELECT 2.2mF/50V 20%.	4835 124 47086
C325	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C326	CER CAP.(AX) 0.1mF/50V +80/-20%(F) . .	4835 122 47162
C328	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C329	ELECT 1mF/50V 20% H7	4835 124 47045
C330	CER CAP.(AX) 47pF/50V 5% (SL).	4835 122 37017
C331	CER CAP.(AX) 47pF/50V 5% (SL).	4835 122 37017
C332	CER CAP.(AX) 47pF/50V 5% (SL).	4835 122 37017
C333	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C336	ELECT 1mF/50V 20% LL	4835 124 47085
C343	CER CAP.(AX) 3300pF/16V 10% (X). . . .	4835 122 47475
C344	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C345	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C346	ELECT 10mF/50V 20%	4835 124 47202
C348	CER CAP.(AX) 0.015mF/6V 20% (Y). . . .	4835 122 47675
C349	ELECT 0.47mF/50V 20% H7.	4835 124 47155
C350	ELECT 1mF/50V 20% H7	4835 124 47045
C351	CER CAP.(AX) 0.022mF/6V 30% (Y). . . .	4835 122 47694
C354	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C355	ELECT 330mF/16V 20%.	4835 124 47008
C356	ELECT 220mF/10V 20%.	4835 124 47292
C357	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C362	ELECT 1mF/50V 20% H7	4835 124 47045
C370	ELECT 1mF/50V 20%.	4835 124 47014
C371	ELECT 0.47mF/50V 20%	4835 124 47155
C372	CER CAP.(AX) 47pF/50V 5% (SL).	4835 122 37017
C373	ELECT 0.33mF/50V 20%	4835 124 47544
C375	ELECT 0.1mF/50V 20%.	4835 124 47048
C376	CER CAP.(AX) 2200pF/16V 10% (X). . . .	4835 122 47437
C378	ELECT 1mF/50V 20% H7	4835 124 47045
C385	CER CAP.(AX) 47pF/50V 5% (SL).	4835 122 37017
C386	CER CAP.(AX) 10pF/50V 5% (SL).	4835 122 47003
C387	ELECT 0.47mF/50V 20%	4835 124 47155
C401	CER CAP.(AX) 1000pF/50V 5% (K)	4835 122 47215
C402	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C403	CER CAP.(AX) 0.012mF/6V 20%(Y)	4835 122 47692
C404	ELECT 10mF/16V 20% H7.	4835 124 47268
C405	ELECT 4.7mF/25V 20% H7	4835 124 47481
C406	CER CAP.(AX) 2700pF/16V 5% (K)	4835 122 47538
C407	CER CAP.(AX) 1000pF/50V 10% (B). . . .	4835 122 47215
C408	CER CAP.(AX) 1000pF/50V 10% (B). . . .	4835 122 47215
C410	ELECT 1mF/50V 20% H7	4835 124 47045
C411	ELECT 47mF/6.3V 20% H7	4835 124 47154
C412	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C414	CER CAP.(AX) 390pF/50V 10% (B)	4835 122 47041
C415	CER CAP.(AX) 18pF/50V 5% (SL).	4835 122 47086
C416	CER CAP.(AX) 180pF/50V 10% (B)	4835 122 17015
C417	CER CAP.(AX) 22pF/50V 5% (SL).	4835 122 37016
C418	ELECT 1mF/50V 20% H7	4835 124 47045
C420	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C421	CER CAP.(AX) 220pF/50V 10% (B)	4835 122 47006
C422	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C423	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C425	ELECT 47mF/16V 20% H7.	4835 124 47073
C426	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C427	ELECT 0.1mF/50V 20% H7	4835 124 47048
C429	ELECT 22mF/6.3V 20% H7	4835 124 47238
C430	ELECT 10mF/16V 20% H7.	4835 124 47268
C431	ELECT 1mF/50V 20% H7	4835 124 47045
C432	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C433	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C434	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C435	ELECT 1mF/50V 20% H7	4835 124 47045
C436	ELECT 1mF/50V 20% H7	4835 124 47045
C437	ELECT 1mF/50V 20% H7	4835 124 47045
C438	ELECT 22mF/10V 20% H7.	4835 124 47307
C440	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C441	CER CAP.(AX) 820pF/50V 10% (B)	4835 122 47405
C443	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C444	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C445	ELECT 220mF/6.3V 20% H7.	4835 124 47186
C447	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C448	ELECT 100mF/6.3V 20% H7.	4835 124 47263
C450	ELECT 1mF/50V 20% H7	4835 124 47045
C451	ELECT 2.2mF/50V 20% H7	4835 124 47049
C452	CER CAP.(AX) 3900pF/16V 10% (X). . . .	4835 122 47677
C453	ELECT 1mF/50V 20% H7	4835 124 47045
C454	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C455	ELECT 0.47mF/50V 20% H7.	4835 124 47155
C456	ELECT 10mF/16V 20% H7.	4835 124 47268
C458	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C460	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C461	CER CAP.(AX) 0.022mF/16V +80/-20% (F).	4835 122 47602
C463	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C464	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C465	ELECT 22mF/6.3V 20% H7	4835 124 47238
C466	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C467	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C468	ELECT 33mF/6.3V 20% H7	4835 124 47169
C471	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C472	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C474	ELECT 1mF/50V 20% H7	4835 124 47045
C476	ELECT 4.7mF/25V 20% H7	4835 124 47481
C477	ELECT 47mF/6.3V 20% H7	4835 124 47154
C478	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C480	ELECT 47mF/6.3V 20% H7	4835 124 47154
C481	ELECT 220mF/6.3V 20% H7.	4835 124 47186
C482	ELECT 22mF/16V 20% H7.	4835 124 47128
C483	CER CAP. 470pF/100V 10% (B).	4835 122 47691
C484	FILM CAP.(P) 0.018mF/50V 5% TV	4822 121 42701
C485	CER CAP.(AX) 33pF/50V 5% (SL).	4835 122 47119
C486	CER CAP.(AX) 33pF/50V 5% (SL).	4835 122 47119
C490	ELECT 10mF/16V 20% H7.	4835 124 47268
S C601	CER CAP. 680pF/2kV LB.	4835 122 47514
C603	MYLAR CAP. 0.068mF/50V 5% TV	4835 121 47677
C604	MYLAR CAP. 0.068mF/50V 5% TV	4835 121 47677
S C605	FILM CAP.(MP) 0.1mF/250V 20%	4835 121 47025

S = Safety Part Be sure to use exact replacement part.

CCA192AT31 (continued)

	C606	FILM CAP.(P) 0.018mF/50V 5% TV	4822 121 42701
	C607	FILM CAP.(P) 0.022mF/50V 5% TV	4835 121 47263
	C608	MYLAR CAP. 0.1mF/50V 5% TV	4835 122 47451
S	C609	ELECT 220mF/200V(LK TYPE).	4835 124 47022
	C610	CER CAP. 0.01mF/AC250V	4835 122 47502
	C611	CER CAP. 0.01mF/AC250V	4835 122 47502
S	C612	CER CAP. 0.01mF/AC250V	4835 122 47502
S	C613	CER CAP. 0.01mF/AC250V	4835 122 47502
S	C614	CER CAP. 0.01mF 1% CS.	4835 125 97008
S	C615	CER CAP. 0.01mF 1% CS.	4835 125 97008
	C618	PCB JUMPER D0.6-P10.0.	0000 0JW 10.0T
	C620	ELECT 470mF/35V 20%.	4835 124 47069
	C621	ELECT 47mF/16V 20%	4835 124 47073
S	C622	ELECT 100mF/160V 20%ohm/F.	4822 124 22663
S	C623	ELECT 470mF/16V 20%.	4835 124 47286
	C624	ELECT 470mF/16V 20%.	4835 124 47286
	C625	ELECT 1000mF/16V 20%	4835 124 47005
	C626	CER CAP.(AX) 220pF/50V 10% (B)	4835 122 47006
	C627	CER CAP. 0.01mF/50V +80/-20% (F) . . .	4835 122 37011
S	C628	CER CAP. 470pF/2kV LB.	4835 122 47642
	C629	ELECT 1mF/50V 20%.	4835 124 47014
	C630	ELECT 10mF/50V 20%	4835 124 47202
	C632	ELECT 220mF/6.3V 20%	4835 124 47168
	C633	ELECT 100mF/16V 20%.	4835 124 47033
	C634	ELECT 100mF/16V 20%.	4835 124 47033
	C635	ELECT 47mF/16V 20% H7.	4835 124 47073
	C636	ELECT 100mF/16V 20%.	4835 124 47033
	C637	ELECT 47mF/16V 20% H7.	4835 124 47073
	C638	ELECT 1mF/50V 20%.	4835 124 47014
	C639	ELECT 22mF/50V 20%	4835 124 47051
	C801	-4>SEMI CAP 0.033mF/25V 10% (YR) . . .	4835 122 47288
	C802	ELECT 0.47mF/50V 20%	4835 124 47155
	C803	ELECT 47mF/10V 20%	4835 124 47242
	C805	ELECT 330mF/16V 20%.	4835 124 47008
	C807	ELECT 1000mF/16V 20%	4835 124 47005
	C808	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
	C809	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
	CN202	CONNECTOR 8P TMC-J08P-A1	J3TM A08 TG002
	CN301	CONNECTOR BASE 7P TUC-P07P-B1.	J3TU A07 TG001
	CN303	CONNECTOR BASE 7P TUC-P07P-B1.	J3TU A07 TG001
	CN304	CONNECTOR BASE 5P TUC-P05P-B1.	J3TU A05 TG001
	CN471	FFC CONNECTOR BASE TOP 4P 9604S-04C. .	JC04 J04 ER002
	CN601	CONNECTOR BASE 2P TV-50P-02-V1	J3RT C02 TG001
	CN602	CONNECTOR BASE 6P TUC-P06P-B1.	J3TU A06 TG001
	CN801	STRAIGHT CONNECTOR BASEor.	J383 C02 UG002
	CN851	FFC CONNECTOR BASE TOP 17P 9604S-17C .	JC04 J17 ER002
	CN852	CABLE CONNECTOR 2P TMC-E02X-A1	4835 263 97018
	D201	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D205	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D206	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D209	LED SIR-56ST3F-M	4835 130 87154
	D211	LED LTL-4214M1	4835 130 87149
	D214	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D215	ZENER DIODE MTZJT-776.8B	4835 130 37881
	D216	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D217	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D218	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D219	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D220	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D221	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D222	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D224	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D225	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D226	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D227	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D271	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D301	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D302	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D303	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D304	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D305	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D306	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D307	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D308	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D310	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D311	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D323	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D324	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D325	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D371	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D441	ZENER DIODE MTZJT-775.6B	4835 130 37329
S	D602	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D603	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D604	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D605	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D606	ZENER DIODE MTZJT-7720C.	4835 130 37983
S	D610	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D611	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D612	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D613	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D614	ZENER DIODE MTZJT-776.8B	4835 130 37881
S	D615	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D616	SWITCHING DIODE 1ZC30.	4835 130 37982
S	D617	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D618	SCHOTTKY BARRIER DIODE ERA81-004 . . .	4835 130 37211
S	D619	SCHOTTKY BARRIER DIODE ERA81-004 . . .	4835 130 37211
	D620	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D621	FAST RECOVERY DIODE ERC25-06	4835 130 37898
	D623	FILM CAP.(P) 0.01mF/50V 5% TV.	4835 121 47461
	D624	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D626	ZENER DIODE MTZJT-7736A.	4835 130 37785
S	D627	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D629	CARBON RES. 1/4W J 8.2Kohm	4835 110 57264
S	D630	ZENER DIODE MTZJT-776.8A	4835 130 37971
	D631	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D632	ZENER DIODE MTZJT-779.1A	4835 130 37506
	D633	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D634	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D635	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D636	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D637	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D638	ZENER DIODE MTZJT-776.2A	4835 130 37959
S	D640	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D641	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D642	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D643	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D644	ZENER DIODE MTZJT-772.2B	4835 130 37961
S	D645	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D646	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D647	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D648	ZENER DIODE MTZJT-776.2A	4835 130 37959
	D649	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D650	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D651	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D652	ZENER DIODE MTZJT-7720B.	4835 130 37965
	D653	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D654	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D655	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	D801	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D810	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D811	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D850	ZENER DIODE MTZJT-775.6B	4835 130 37329
	J146	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	IC201	MICROCOMPUTER 16BIT M37760MCA8A4GP . .	4835 209 17629
	IC202	IC:MEMORY AT24C02N-10SC.	4835 209 47434
	IC203	IC:RESET BMR-0101C	4835 209 47438
S	IC204	IC BA6955N	4835 209 47404
	IC207	IC:OP-AMP. LM324N.	4835 209 87763
S	IC301	IC:CHROMA/IF 1 CHIP M52772FP	4835 209 47435
	IC401	IC:Y/C/A LA71077M.	4835 209 47439
S	IC601	PHOTOCOUPLER LTV-817B-F.	4835 130 37977
S	IC602	IC:VOLTAGE REGULATOR 5V KIA7805PI. . .	4835 209 88129
S	IC801	IC TDA7231A.	4835 209 88115
	J098	INDUCTOR 2.2mH-J-26T	4835 157 57639
	L001	INDUCTOR 100mH-J-5T.	4835 157 57798
	L002	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L040	INDUCTOR 18mH-K-26T.	4835 157 57371
	L201	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L246	INDUCTOR 0.1mH-M-26T	4835 157 58236
	L303	INDUCTOR 10mH-J-26T.	4835 157 57643
	L321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L361	INDUCTOR 12mH-J-26T.	4835 157 58071
	L362	INDUCTOR 18mH-K-26T.	4835 157 57371
	L422	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L423	INDUCTOR 100mH-J-26T	4835 157 57644
	L442	INDUCTOR 100mH-J-26T	4835 157 57644
	L470	INDUCTOR 22mH-J-26T.	4835 157 57641
	L481	INDUCTOR 47mH-K-5FT.	4835 157 57375
S	L601	LINE FILTER 5.0mH 6Y075.	4835 154 97202
	L602	CHOKE COIL 47mH-K.	4835 157 58208
	Q201	RESET KTC3199(GR) NPN.	4835 130 47914
	Q202	PHOTO TRANSISTOR ST-319R2-B.	4835 130 48138
	Q203	PHOTO TRANSISTOR ST-319R2-B.	4835 130 48138
	Q204	PHOTO TRANSISTOR ST-319R2-B.	4835 130 48138
	Q210	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q309	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q310	BUFFER 2SA1317(U) PNP.	4835 130 47422
	Q311	SWITCHING 2SC3468(D)-AE NPN.	4835 130 47981
	Q312	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q313	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q314	AMP KTC3199(GR) NPN.	4835 130 47914
	Q315	AMP KTC3199(GR) NPN.	4835 130 47914
	Q422	SWITCHING 2SA1317(U) PNP	4835 130 47422
	Q431	AMP 2SA1317(U) PNP	4835 130 47422
	Q441	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q451	RES. BUILT-IN TRANSISTOR KRC103M NPN .	4835 130 47909
	Q481	SWITCHING 2SA1317(U) PNP	4835 130 47422
	Q482	BIAS OSC 2SC2120-O(TPE2) NPN	4835 130 47756
	Q483	SWITCHING 2SC3331(T) NPN	4835 130 47549
	Q484	SWITCHING 2SC3331(T) NPN	4835 130 47549
	Q485	RES. BUILT-IN TRANSISTOR KRA103M PNP .	4835 130 47907
S	Q601	LIMITER MOS FET 2SK2079-01MR	4835 130 48164
S	Q602	SWITCHING 2SC2120-O(TPE2) NPN.	4835 130 47756

S = Safety Part Be sure to use exact replacement part.

CCA192AT31 (continued)

S	Q605	FEED BACK KTC3199(GR) NPN.	4835 130 47914
	Q609	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S	Q610	SWITCHING 2SB698(G) PNP.	4835 130 47915
	Q611	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q612	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S	Q615	+5V REGULATOR KTC3199(GR) NPN. . . .	4835 130 47914
S	Q616	+9V REGULATOR KTC3199(GR) NPN. . . .	4835 130 47914
S	Q617	+5V REGULATOR 2SD400 (F)	4835 130 47433
S	Q618	+5V REGULATOR KTC3199(GR) NPN. . . .	4835 130 47914
S	Q619	+5V REGULATOR KTC3199(GR) NPN. . . .	4835 130 47914
	Q801	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	R001	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R002	CARBON RES. 1/4W 5% 15kohm	4835 110 57032
	R003	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R011	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R012	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R030	CARBON RES. 1/4W 5% 220ohm	4835 110 57037
	R031	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R100	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
	R101	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
	R102	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R103	CARBON RES. 1/4W 5% 2.7kohm.	4835 110 57006
	R104	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
	R105	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
	R106	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R107	CARBON RES. 1/4W 5% 2.7kohm.	4835 110 57006
	R108	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
	R109	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R110	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R201	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
	R202	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
	R203	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
	R205	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R206	CARBON RES. 1/4W 5% 820kohm.	4835 110 57344
	R207	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
	R208	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R209	CARBON RES. 1/4W 5% 560kohm.	4835 110 57053
	R215	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R217	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
	R218	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
	R219	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R220	CARBON RES. 1/4W 5% 8.2kohm.	4835 110 57264
	R221	CARBON RES. 1/4W 5% 8.2kohm.	4835 110 57264
	R222	CARBON RES. 1/4W 5% 820ohm	4835 110 57059
	R223	CARBON RES. 1/4W 5% 820ohm	4835 110 57059
	R224	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
	R225	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R226	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
	R227	CARBON RES. 1/4W 5% 47ohm.	4835 110 57019
	R228	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R229	CARBON RES. 1/4W 5% 1.2kohm.	4835 110 57027
	R231	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R233	CARBON RES. 1/4W 5% 10Mohm	4835 110 57288
	R234	CARBON RES. 1/4W 5% 470kohm.	4835 110 57225
	R239	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
	R242	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R243	CARBON RES. 1/4W 5% 470ohm	4835 110 57167
	R244	CARBON RES. 1/4W 5% 1Mohm.	4835 110 57272
	R245	CARBON RES. 1/4W 5% 5.6kohm.	4835 110 57304
	R246	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R248	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R249	CARBON RES. 1/4W 5% 68kohm	4835 110 57168
	R250	CARBON RES. 1/4W 5% 270ohm	4835 110 57041
	R251	CARBON RES. 1/4W 5% 270ohm	4835 110 57041
	R252	CARBON RES. 1/4W 5% 820ohm	4835 110 57059
	R253	CARBON RES. 1/4W 5% 470ohm	4835 110 57167
	R254	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
	R255	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
	R256	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
	R257	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
	R258	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
	R259	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
	R260	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
S	R265	METAL RESISTOR 1W 5% 2.7ohm.	4835 116 57346
	R266	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
	R267	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R268	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R269	CARBON RES. 1/4W 5% 39ohm.	4835 110 57188
	R270	CARBON RES. 1/4W 5% 39ohm.	4835 110 57188
	R271	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R273	CARBON RES. 1/4W 5% 560kohm.	4835 110 57053
	R274	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R275	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R276	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R277	CARBON RES. 1/4W 5% 5.6kohm.	4835 110 57304
	R278	CARBON RES. 1/4W 5% 47kohm	4835 110 57189
	R280	CARBON RES. 1/4W 5% 5.6kohm.	4835 110 57304
	R281	CARBON RES. 1/4W 5% 5.6kohm.	4835 110 57304
	R282	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R283	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R284	CARBON RES. 1/4W 5% 39kohm	4835 110 57262
	R285	CARBON RES. 1/4W 5% 220kohm.	4835 110 57208
	R286	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R287	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R288	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R289	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R291	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
	R292	CARBON RES. 1/4W 5% 1.8kohm.	4835 110 57033
	R293	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
	R296	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
	R301	CARBON RES. 1/4W 5% 56kohm	4835 110 57213
	R302	CARBON RES. 1/4W 5% 390kohm.	4835 110 57263
	R303	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R304	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R305	CARBON RES. 1/4W 5% 220ohm	4835 110 57037
	R306	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R307	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R309	CARBON RES. 1/4W 5% 2.7kohm.	4835 110 57006
	R310	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R311	CARBON RES. 1/4W 5% 390kohm.	4835 110 57263
	R314	CARBON RES. 1/4W 5% 6.8kohm.	4835 110 57193
	R316	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R317	CARBON RES. 1/4W 5% 33kohm	4835 110 57211
	R320	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R321	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R323	CARBON RES. 1/4W 5% 330kohm.	4835 110 57197
	R324	CARBON RES. 1/4W 5% 18kohm	4835 110 57034
	R325	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
	R326	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
	R327	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
	R328	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
	R329	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R330	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R331	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R332	CARBON RES. 1/4W 5% 27kohm	4835 111 37182
	R333	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
	R334	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R335	CARBON RES. 1/4W 5% 22ohm.	4835 110 57036
	R337	CARBON RES. 1/4W 5% 470ohm	4835 110 57167
	R338	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R343	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R344	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R347	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R348	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
	R350	CARBON RES. 1/4W 5% 330ohm	4835 110 57045
	R352	CARBON RES. 1/4W 5% 12kohm	4835 110 57282
	R354	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R355	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R357	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R358	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R363	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R366	CARBON RES. 1/4W 5% 220ohm	4835 110 57037
	R367	CARBON RES. 1/4W 5% 330ohm	4835 110 57045
	R368	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
	R369	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R371	CARBON RES. 1/4W 5% 10Mohm	4835 110 57288
	R374	CARBON RES. 1/4W 5% 470kohm.	4835 110 57225
	R375	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R376	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R377	CARBON RES. 1/4W 5% 56kohm	4835 110 57213
	R378	CARBON RES. 1/4W 5% 56kohm	4835 110 57213
	R379	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R380	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R381	CARBON RES. 1/4W 5% 220ohm	4835 110 57037
	R382	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R383	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R384	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R386	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
	R387	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R388	CARBON RES. 1/4W 5% 270ohm	4835 110 57041
	R394	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R395	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R401	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R402	CARBON RES. 1/4W 5% 8.2kohm.	4835 110 57264
	R403	CARBON RES. 1/4W 5% 12kohm	4835 110 57282
	R404	CARBON RES. 1/4W 5% 330kohm.	4835 110 57197
	R405	CARBON RES. 1/4W 5% 120ohm	4835 110 57217
	R406	CARBON RES. 1/4W 5% 18kohm	4835 110 57034
	R407	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R410	CARBON RES. 1/4W 5% 15kohm	4835 110 57032
	R411	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
	R413	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
	R414	CARBON RES. 1/4W 5% 15kohm	4835 110 57032
	R415	CARBON RES. 1/4W 5% 47kohm	4835 110 57189
	R416	CARBON RES. 1/4W 5% 47kohm	4835 110 57189
	R419	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
	R422	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R423	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R424	CARBON RES. 1/4W 5% 12kohm	4835 110 57282
	R425	CARBON RES. 1/4W 5% 330ohm	4835 110 57045
	R426	CARBON RES. 1/4W 5% 330ohm	4835 110 57045
	R428	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R429	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
	R430	CARBON RES. 1/4W 5% 1.8kohm.	4835 110 57033

S = Safety Part Be sure to use exact replacement part.

CCA192AT31 (continued)

	R432	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R433	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R434	CARBON RES. 1/4W 5% 3.3Mohm.	4835 110 57047
	R435	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
	R436	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
	R437	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R438	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R439	CARBON RES. 1/4W 5% 820ohm	4835 110 57059
	R440	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R441	CARBON RES. 1/4W 5% 180ohm	4835 110 57219
	R442	CARBON RES. 1/4W 5% 680kohm.	4835 110 57227
	R443	CARBON RES. 1/4W 5% 1.2kohm.	4835 110 57027
	R445	CARBON RES. 1/4W 5% 8.2kohm.	4835 110 57264
	R450	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
	R451	CARBON RES. 1/4W 5% 27kohm	4835 111 37182
	R452	CARBON RES. 1/4W 5% 2.2Mohm.	4835 110 57039
	R453	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
	R454	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
	R461	CARBON RES. 1/4W 5% 330ohm	4835 110 57045
	R462	CARBON RES. 1/4W 5% 2kohm.	4835 110 57253
	R464	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
	R465	CARBON RES. 1/4W 5% 6.8kohm.	4835 110 57193
	R466	CARBON RES. 1/4W 5% 8.2kohm.	4835 110 57264
	R467	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R468	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R480	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R481	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
	R482	CARBON RES. 1/4W 5% 47kohm	4835 110 57189
	R483	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R484	CARBON RES. 1/4W 5% 2.7kohm.	4835 110 57006
	R485	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R486	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R487	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R499	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R601	CARBON RES. 1/4W 5% 680kohm.	4835 110 57227
	R602	CARBON RES. 1/4W 5% 680kohm.	4835 110 57227
S	R604	METAL RES. 2W 5% 0.22ohm	4835 116 57572
S	R605	CEMENT RESISTOR 5W 10% 1.2ohm.	4835 113 87008
S	R606	CARBON RES. 1/2W 5% 3.3Mohm.	4835 110 47117
S	R607	METAL RESISTOR 2W 5% 220ohm.	4835 116 57792
S	R608	CARBON RES. 1/4W 5% 10ohm.	4835 110 57002
S	R609	METAL RESISTOR 2W 5% 220ohm.	4835 116 57792
	R611	CARBON RES. 1/4W 5% 1.2kohm.	4835 110 57027
	R612	CARBON RES. 1/4W 5% 3.9ohm	4835 110 57281
	R613	CARBON RES. 1/4W 5% 330ohm	4835 110 57045
	R614	CARBON RES. 1/4W 5% 47ohm.	4835 110 57019
	R615	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
	R616	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R619	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
	R625	CARBON RES. 1/4W 5% 12kohm	4835 110 57282
S	R626	CARBON RES. 1/4W 5% 12ohm.	4835 110 57252
S	R627	CARBON RES. 1/4W 5% 15ohm.	4835 110 57177
S	R628	FIXED METAL OXIDE FILM RES. 2W 5% 68ohm	4835 110 57573
S	R629	FIXED METAL OXIDE FILM RES. 2W 5% 68ohm	4835 110 57573
S	R630	CARBON RES. 1/4W 5% 470ohm	4835 110 57167
S	R631	CARBON RES. 1/4W 5% 5.6kohm.	4835 110 57304
S	R635	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
	R640	CARBON RES. 1/4W 5% 33kohm	4835 110 57211
S	R641	CEMENT RES. 5W 3.9Kohm H=25MM.	4835 113 87021
	R642	CARBON RES. 1/4W 5% 1.8kohm.	4835 110 57033
	R643	CARBON RES. 1/4W 5% 1.8kohm.	4835 110 57033
S	R644	METAL RESISTOR 2W 5% 6.8kohm	4835 116 67303
	R645	CARBON RES. 1/4W 5% 820ohm	4835 110 57059
S	R646	CARBON RES. 1/4W 5% 47kohm	4835 110 57189
S	R647	CARBON RES. 1/4W 5% 39kohm	4835 110 57262
S	R648	CARBON RES. 1/4W 5% 15kohm	4835 110 57032
S	R649	CARBON RES. 1/4W 5% 15kohm	4835 110 57032
S	R650	CARBON RES. 1/4W 5% 15kohm	4835 110 57032
S	R651	METAL RESISTOR 2W 5% 560ohm.	4835 116 57123
	R652	CARBON RES. 1/4W 5% 56kohm	4835 110 57213
	R653	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R654	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
S	R655	CARBON RES. 1/4W 5% 6.8kohm.	4835 110 57193
	R656	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
	R657	CARBON RES. 1/4W 5% 6.8kohm.	4835 110 57193
	R658	CARBON RES. 1/4W 5% 15kohm	4835 110 57032
	R660	CARBON RES. 1/4W 5% 47kohm	4835 110 57189
	R661	CARBON RES. 1/4W 5% 220kohm.	4835 110 57208
	R662	CARBON RES. 1/4W 5% 220ohm	4835 110 57037
	R663	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
S	R665	CARBON RES. 1/4W 5% 10ohm.	4835 110 57002
S	R666	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
S	R667	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
S	R668	CARBON RES. 1/2W 5% 15ohm.	4835 110 47063
	R669	CARBON RES. 1/4W 5% 2.7kohm.	4835 110 57006
	R670	CARBON RES. 1/4W 5% 100ohm	4835 110 57003
	R671	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R672	METAL RES. 2W 5% 12ohm	4835 116 57075
	R673	CARBON RES. 1/4W 5% 39ohm.	4835 110 57188
	R674	CARBON RES. 1/4W 5% 270ohm	4835 110 57041
	R675	CARBON RES. 1/4W 5% 470ohm	4835 110 57167
	R701	CARBON RES. 1/4W 5% 75ohm.	4835 110 57056
	R702	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R703	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R801	CARBON RES. 1/4W 5% 3.3kohm.	4835 110 57046
	R803	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R805	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R806	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
S	R807	METAL RESISTOR 1W 5% 12ohm	4835 116 57639
S	R808	CARBON RES. 1/4W 5% 2.2kohm.	4835 110 57079
	R809	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R810	CARBON RES. RD 1/2W 5% 120ohm.	4835 110 57255
	R811	CARBON RES. 1/4W 5% 10ohm.	4835 110 57002
	R812	CARBON RES. 1/4W 5% 820ohm	4835 110 57059
	SW101	TACT SWITCH SKQSAB	4835 276 17331
	SW102	TACT SWITCH SKQSAB	4835 276 17331
	SW103	TACT SWITCH SKQSAB	4835 276 17331
	SW104	TACT SWITCH SKQSAB	4835 276 17331
	SW105	TACT SWITCH SKQSAB	4835 276 17331
	SW106	TACT SWITCH SKQSAB	4835 276 17331
	SW107	TACT SWITCH SKQSAB	4835 276 17331
	SW108	TACT SWITCH SKQSAB	4835 276 17331
	SW109	TACT SWITCH SKQSAB	4835 276 17331
	SW110	TACT SWITCH SKQSAB	4835 276 17331
	SW201	PUSH SWITCH SPPB61066A	4835 276 17213
	T301	VCO COIL KHI-821023.	4835 140 67127
S	T601	SWITCHING TRANS S1729F	4835 148 87374
S	VR601	CARBON P.O.T. 10Kohm B	4835 100 97516
	X201	CRYSTAL OSCILLATOR HC-49/U	4835 242 77326
	X202	CRYSTAL OSCILLATOR 32kHz(10PPM).	4835 242 77091
	X301	CER RESONATOR CSB503F18.	4835 242 77226
	X321	CRYSTAL OSCILLATOR 3.579545 MHz.	4835 242 77308
	X401	CRYSTAL OSCILLATOR 3.579545MHz	4835 242 77093
	BC601	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC602	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC603	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC605	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC607	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC608	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC609	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	CF301	CER FILTER SFSH4.5MCB.	4835 153 97029
	CF302	CER TRAP TPS4.5MB2	4835 153 97048
S	F601	FUSE TDS4A125VU/C.	4835 253 97153
	FH601	FUSE HOLDER MSF-015.	XH01 Z00 LY001
	FH602	FUSE HOLDER MSF-015.	XH01 Z00 LY001
	JK701	RCA JACK(YELLOW) RJ-1066-04-1030	4835 265 97402
	JK702	RCA JACK(WHITE) RJ-1066-03-1030.	4835 265 97401
	JK801	EARPHONE JACK HSJ1403-01-010	4835 265 97306
S	PS601	POSISTOR ZPB58BL7R0F	4835 100 97281
	RS201	REMOTE RECEIVER PIC-26042LU.	4835 210 27058
S	SA601	SURGE ABSORBER JVR-07N471K	4835 252 27024
	SF003	SAW FILTER TSF5229P.	4835 153 97062
S	SG601	GAP. G3.10D.	4835 252 27023
	SP801	SPEAKER S08F02B.	4835 240 17019
	TB5	BUSH LED(E).	0000 VM4 08832
	TB7	19V POW HEAT SINK PDM ASSEMBLY	0000 EM4 04719
	TB16	BUSH LED(D).	0000 VM4 08655
	TL1	SCREW P-TIGHT 3X12ohmASHER HEAD+	0000 GCM P3120
	TL3	SCREW B-TIGHT 3X8 BIND HEAD+	0000 GBM B3080
	TL4	SCREW S-TIGHT 3X4 BIND HEAD+	0000 GBM S3040
	TL8	SCREW B-TIGHT M3X25 BIND HEAD+	0000 GBM B3250
	TU001	TUNER UNIT TEDH9-002A.	4835 210 47107
S	W601	AC CORD 9806190.	4835 321 17101

H.V. CBA

H.V. CBA

	C552	MYLAR CAP. 0.1mF/50V 5% TV	4835 122 47451
	C553	ELECT 2.2mF/50V 20% LL	4835 124 47183
	C554	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	C555	ELECT 47mF/35V 20%	4835 124 97066
	C556	ELECT 1000mF/25V 20%	4835 124 47007
	C558	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
	C559	ELECT 100mF/35V 20%.	4835 124 47233
	C560	FILM CAP.(P) 0.027mF/50V 5% TV	4835 121 47576
S	C572	P.P. CAP. 0.39mF/200V 5%	4835 121 47667
S	C574	ELECT 4.7mF/250V	4835 124 47465
	C577	MYLAR CAP. 0.01mF/50V 5% TV.	4835 121 47461
	C578	ELECT 47mF/35V 20%	4835 124 97066
S	C580	METAL FILM. 0.01mF/1.6kV 5%.	4835 121 47622
	C584	ELECT 1mF/160V 20%	4835 124 47516
S	C591	ELECT 1mF/50V 20%.	4835 124 47014
S	C592	ELECT 47mF/35V 20%	4835 124 97066
	C594	ELECT 10mF/160V 20%.	4835 124 47742
	CN571	CONNECTOR BASE 5P.	0000 017 30813
	D552	RECTIFIER DIODE ERA15-02	4835 130 37515
	D555	ZENER DIODE MTZJT-7720B.	4835 130 37965
S	D571	FAST RECOVERY DIODE ERB44-02	4835 130 37944
S	D572	RECTIFIER DIODE ERA22-02	4835 130 37788
	D573	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	D584	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D585	ZENER DIODE MTZJT-776.2B	4835 130 37593
S	D591	ZENER DIODE MTZJT-7736B.	4835 130 37785
	D595	ZENER DIODE MTZJT-7720B	
S	D596	SWITCHING DIODE 1SS133(T-77)	4835 130 37235

S = Safety Part Be sure to use exact replacement part.

CCA192AT31 (continued)

S D597	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S D598	RECTIFIER DIODE ERA22-02	4835 130 37788
S IC551	IC LA7840.	4835 209 47437
S L572	INDUCTOR 33mH-J-26T.	4835 157 57373
Q541	BEAD INDUCTOR FBA04HA600VB-00.	LLBF 00S TU026
Q551	SWITCHING KTC3199(GR) NPN.	4835 130 47914
Q552	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S Q571	H-OUTPUT TT2024-YB	4835 130 48165
S Q572	H-DR 2SC1627Y-TPE2 NPN	4835 130 48141
S Q591	SWITCHING KTC3199(GR) NPN.	4835 130 47914
J567	CARBON RES. 1/4W 5% 1ohm	4835 110 57229
R542	PCB JUMPER D0.6-P12.5.	0000 0JW 12.5T
R551	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
S R552	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R553	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R554	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R555	CARBON RES. 1/4W 5% 1.8kohm.	4835 110 57033
R556	CARBON RES. 1/4W 5% 4.7ohm	4835 110 57212
R557	CARBON RES. 1/4W 5% 470ohm	4835 110 57167
R558	CARBON RES. 1/4W 5% 56kohm	4835 110 57213
R559	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R560	CARBON RES. 1/4W 5% 4.7kohm.	4835 110 57051
R561	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
R562	CARBON RES. 1/4W 5% 3.3ohm	4835 110 57026
R563	CARBON RES. 1/4W 5% 3.3ohm	4835 110 57026
R566	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R572	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R573	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
S R574	METAL RESISTOR 2W 5% 1kohm	4835 116 57057
S R575	METAL RESISTOR 2W 5% 1kohm	4835 116 57057
R576	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R577	CARBON RES. 1/4W 5% 560ohm	4835 110 57052
R580	CARBON RES. 1/4W 5% 47ohm.	4835 110 57019
R580	CARBON RES. 1/6W 5% 47ohm.	4835 111 37192
S R581	CARBON RES. 1/4W 5% 1ohm	4835 110 57229
S R582	CARBON RES. 1/4W 5% 1ohm	4835 110 57229
S R583	METAL RESISTOR 2W 5% 1.5ohm.	4835 110 27004
S R584	CARBON RES. 1/4W 5% 1kohm.	4835 110 57025
R585	CARBON RES. 1/4W 5% 8.2kohm.	4835 110 57264
R586	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R587	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
R588	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
R589	CARBON RES. 1/4W 5% 47ohm.	4835 110 57019
R589	CARBON RES. 1/6W 5% 47ohm.	4835 111 37192
S R591	CARBON RES. 1/4W 5% 33kohm	4835 110 57211
S R592	CARBON RES. 1/4W 5% 180kohm.	4835 110 57259
S R593	CARBON RES. 1/4W 5% 68kohm	4835 110 57168
S R594	CARBON RES. 1/4W 5% 56kohm	4835 110 57213
R596	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S R597	CARBON RES. 1/4W 5% 6.8kohm.	4835 110 57193
S R598	CARBON RES. 1/4W 5% 22kohm	4835 110 57038
S R599	CARBON RES. 1/4W 5% 5.6kohm.	4835 110 57304
S T571	FLYBACK TRANS FCA169	4835 140 67195
S T572	HORIZONTAL DR TRANS LP2-003.	4835 140 17006
BC571	BEAD INDUCTOR FBA04HA600VB-00.	LLBF 00S TU026
DB1	H/V PCB HOLDER T5000UA	0000 EM2 00987
DB2	19V H/V HEAT SINK(PDQ) T7000UA	0000 EM4 04776
DB3	WASHER 12X3.2XT1	0000 0WP M3121
DB4	19V CHASSIS NO.LABEL DJ T7000UA. . . .	0000 EM4 04738
DL1	SCREW P-TIGHT 3X10 BIND HEAD	0000 GBU P3100
DL2	SCREW B-TIGHT 3X8 BIND HEAD+	0000 GBM B3080
CL501A	LEADohmIRE 3P 400mm.	WX1T 700 0-001
CL502A	LEADohmIRE 6P 430mm.	WX1T 700 0-003
CL503A	LEADohmIRE 7P 560MM.	WX1T 700 0-004
CL504A	LEADohmIRE 5P 320MM.	WX1T 700 0-002
WH501A	WIRE HOLDER 3P HWT0200-03.	XW0H T03 C7001
WH502A	WIRE HOLDER 6P HWT0200-06.	XW0H T06 C7001
WH503A	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
WH504A	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001

CRT CBA

CRT CBA

C501	CER CAP.(AX) 330pF/50V 10% (B)	4835 122 47047
C502	CER CAP.(AX) 330pF/50V 10% (B)	4835 122 47047
C503	CER CAP.(AX) 330pF/50V 10% (B)	4835 122 47047
C504	ELECT 47mF/16V 20%	4835 124 47073
C507	ELECT 1mF/50V 20%.	4835 124 47014
C510	CER CAP. 0.001mF/2kV	4835 122 37048
CN501	CONNECTOR PIN 005P-5100.	JTEA 001 TG001
D501	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D502	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D503	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
L501	INDUCTOR 180mH-J	4835 157 58227
Q501	RED AMP 2SC2482 TPE6 NPN	4835 130 48046
Q502	GREEN AMP 2SC2482 TPE6 NPN	4835 130 48046
Q503	BLUE AMP 2SC2482 TPE6 NPN.	4835 130 48046
S R501	METAL RESISTOR 1W 5% 15kohm.	4835 116 87019
S R502	METAL RESISTOR 1W 5% 15kohm.	4835 116 87019
S R503	METAL RESISTOR 1W 5% 15kohm.	4835 116 87019
R506	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R507	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R508	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R511	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R512	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R513	CARBON RES. 1/4W 5% 10kohm	4835 110 57026
R514	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R516	CARBON RES. 1/4W 5% 15ohm.	4835 110 57177
R517	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
R518	CARBON RES. 1/4W 5% 15ohm.	4835 110 57177
R519	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
R520	CARBON RES. 1/4W 5% 15ohm.	4835 110 57177
R521	CARBON RES. 1/4W 5% 680ohm	4835 110 57054
R531	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
R532	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
R534	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R535	CARBON RES. 1/4W 5% 1.5kohm.	4835 110 57186
R536	CARBON RES. 1/4W 5% 100kohm.	4835 110 57185
S JK501	CRT SOCKET ISHS40S	4835 265 97454
WH501B	WIRE HOLDER 3P HWT0200-03.	XW0H T03 C7001
WH502B	WIRE HOLDER 6P HWT0200-06.	XW0H T06 C7001
WH503B	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
WH504B	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001

JUNCTION A CBA

JUNCTION A CBA

CN504	CONNECTOR 5P TUC-P05X-B1	JCTU S05 TG001

JUNCTION B CBA

JUNCTION B CBA

CN502	CONNECTOR 6P TUC-P06X-B1	JCTU S06 TG001
CN503	CONNECTOR 7P TUC-P07X-B1	JCTU S07 TG001

CHASSIS ELECTRICAL PARTS

CHASSIS ELECTRICAL PARTS

CL802	WIRE ASSEMBLY 2P/150	WX1B 590 0-001
S DG601	DEGAUSSING COIL AVDG015.	4835 157 97055
S V501	CRT PCEC:003502013301.	4835 131 27162
S L551	DEFLECTION YOKE PCEC:003502013602. . .	4835 150 17167
V501-1	C.P. MAGNET 6A062704	XM04 000 B8001
V501-2	RUBBER MAGNET 20X10X1.2.	XM05 000 BV001
V501-5	WEDGE FT-00110W.	XV10 000 T4001

MECHANICAL PARTS

MECHANICAL PARTS

A1-1	FRONT CABINET.	4835 443 47568
A1-2	CONTROL PLATE.	4835 443 67465
A1-4	CASSETTE DOOR.	4835 443 67466
A1-5	DOOR SPRING.	4835 492 97212
A1-6	CLOTH(4X7XT0.7).	000O EM4 04974
A2	REAR CABINET	4835 443 47604
S A3	RATING LABEL	000O EM4 04858
A4	POP LABEL.	000O EM4 04831
B1	TENSION SPRING B0080B0:EM40808	4835 492 37025
B2	CRT MOUNTING SCREW PCEC.-00103817-1820	000O EMN 01296
B3	SHIELD PLATE	000O EM4 04783
S B4	DEGAUSS HOLDER PCEC:00645991-0009. . .	000O EMN 01294
B5	CLOTH 190X15XT0.5.	0000 00T S7623
L1	SCREW M4X18 PCEC:00103371-1809	000O EMN 01297
L2	SCREW TAPPING M4X14.	0000 DBU 14140
L3	SCREW C-TIGHT M3X4 BIND HEAD+.	0000 GBM C3040
L4	SCREW ASSEMBLED 12:M3X14	000O EM4 04416
S1	CARTON	000O EM4 04864
S2	STYROFOAM TOP.	000O EM0 00319
S3	STYRO FOAM BOTTOM.	000O EM0 00320
S4	SERIAL NO. LABEL(P).	000O EM4 04103
S6	SET SHEET :1000X1700	000O EM4 02178
S14	TVCR HOLD PAD(MEX)	000O EM4 04940
TB1	TRAY CHASSIS	00OE M00 0302H
TB2	TOP SHIELD	000O EM2 00995
TB3	HEAD SHIELD.	000O EM3 01241
TB6	SPEAKER HOLDER	4835 256 37015
TB8	CRITICAL PARTSohmARNING LABEL.	0000 024 LH199
TB9	BOTTOM SHIELD.	000O EM3 01132
TB13	RCA HOLDER	000O EM4 04220
TB14	19V CHASSIS NO. LABEL TJ	000O EM4 04739
TB18	WASHER(D8)	000O VM4 08931
TB20	CLOTH(10X30XT0.5).	000O EM4 04486
TL1	SCREW P-TIGHT 3X12ohmASHER HEAD+ . . .	0000 GCM P3120
TL3	SCREW B-TIGHT 3X8 BIND HEAD+	0000 GBM B3080
TL4	SCREW S-TIGHT 3X4 BIND HEAD+	0000 GBM S3040
TL8	SCREW B-TIGHT M3X25 BIND HEAD+	0000 GBM B3250
X1	POLYETHYLENE BAG PCEC:64556(H)003. . .	000O EMN 01300
S X2	OWNERS MANUAL.	00IB 811 5E001
X3	REMOTE CONTROL UNIT.	4835 218 37242
X4	DRY BATTERY R6PUM3 or.	4835 138 17012
X7	SERVICE CENTER MAP H7220UD	000O VMN 01909
X8	REGISTRATION CARD PCEC:00EL6192E001. .	000O EMN 01302
S X9	IMPORTANT SAFEGUARDS PCEC:OOEL4496E006	000O EMN 01233
X10	REGISTRATION LABEL PCEC:OOEL5031E001 .	000O EMN 01301
X21	SERVICE CONTRACT CARD:TVCR PCEC:EL6260E 001.	000O EMN 01338
X23	CATALOG.	000O EMN 01486

DECK PARTS

DECK PARTS

S = Safety Part Be sure to use exact replacement part.

CCA192AT31 (continued)

2B6	DECK EARTH PLATE U17	0000 VM4 08662
2L051	SCREW, S-TIGHT M3X5 BIND HEAD+	0000 GBM S3050
B1	CHASSIS ASSEMBLY MK8	0000 VSA 09370
B2	CYLINDER ASSEMBLY(MK8) NTSC 2HD SQPB	4835 691 27306
B3	LOAD MTR ASSEMBLY MK7.	4835 361 27157
B4	MTR HOLDER MK8	4835 256 97343
B8	PULLEY ASSEMBLY MK6.	4835 528 87052
B9	MOVING GUIDE S PREPARATION MK7	4835 402 97757
B10	MOVING GUIDE T PREPARATION MK7	4835 402 97758
B11	LOAD ARM T ASSEMBLY MK7.	4835 464 57446
B12	LOAD ARM S ASSEMBLY MK8.	4835 464 57497
B13	LOAD LEVER ASSEMBLY MK7.	4835 464 57443
B15	LUMIRRORohmASHER 3.1X6X0.35.	0000 VM4 03269
B21	LOAD BELT MK6.	4835 358 37149
B27	TENSION LEVER ASSEMBLY MK8	4835 464 57494
B31	AC HEAD ASSEMBLY MK7	4835 249 17013
B32	REEL(T) MK8.	4835 528 17048
B35	TAPE GUIDE ASSEMBLY MK8.	4835 464 57486
B37	CAPSTAN MTR F2QTB36.	4835 361 27158
B38	MODE LEVER MK8	4835 402 97798
B46	TAPE GUIDE ARM SPRING MK6.	000V M40 7704C
B47	ADJUST SCREW M2.6X6(SOD)	0000 VM4 09436
B51	FF ARM MK8	4835 402 97803
B52	CAPSTAN BELT(2) MK6.	4835 358 37148
B53	REEL P.S.W MK8	4835 528 17049
B73	FE HEAD(MK7) HVFHP0019A.	4835 249 17011
B74	PRISM MK8.	4835 464 57479
B81	M LEVER HOLDER MK7	4835 256 97336
B108	P.S.W F.	000V M40 2629A
B121	WORM MK6	4835 522 37344
B122	P.S.W C.	0000 VM4 02626
B123	P.S.W (WORM THRUST).	0000 VM4 03348
B126	PULLEY MK6	4835 528 87049
B132	CLUTCH ASSEMBLY MK8.	4835 464 57496
B133	IDLER ASSEMBLY MK8	4835 464 57495
B142	SHAFT LOCK ASSEMBLY.	4835 464 57248
B144	CLUTCHohmASHER MK2	0000 VM4 04428
B145	MAIN LEVER ASSEMBLY MK7.	4835 464 57444
B148	TG CAP MK6	4835 402 97804
B300	FL ASSEMBLY MK8.	4835 130 97103
B302	RACK MK8	4835 402 97799
B303	FRONT DOOR OPENER MK7.	4835 402 97817
B304	DOOR OPENER MK7.	4835 402 97818
B308	SLIDER SHAFT MK8	0000 VM4 09335
B313	DR GEAR SPRING MK7	4835 522 37367
B319	CASSETTE SPRING MK8.	0000 VM4 09333
B329	HOLDER KICK ARM N MK6.	000V M30 2956B
B332	HOLDER ARM SPRING MK6.	000V M40 8062B
B339	REEL(S) MK8.	4835 528 17047
B344	CASSETTE GUIDE R MK8	4835 402 97797
B345	CASSETTE GUIDE L MK8	4835 402 97796
B347	GUIDE HOLDER(F) MK8.	4835 256 97342
B348	GUIDE HOLDER R MK8	4835 256 97341
B350	SLIDER GEAR MK8.	4835 522 37368
B352	CASSETTE DR GEAR(N) MK6.	4835 522 37354
B353	CASSETTE PLATE SUB ASSEMBLY MK8.	4835 464 57491
B354	SLIDER(R) MK8.	4835 466 47055
B355	SLIDER(L) MK8.	4835 466 47054
B358	CAM MK7.	4835 528 37038
B365	RADIATOR PLATE MK7	0000 VM4 08563
B401	VH CONNECTOR 4A MK7.	0000 VM3 03174
B402	VH CONNECTOR 4B MK6.	0000 VM4 07671
B403	ACH CONNECTOR A MK7.	4835 402 97801
B404	ACH CONNECTOR B MK7.	0000 VM4 08582
B405	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B406	SENSOR GEAR MK7.	4835 522 37369
B407	M GEAR MK6	4835 522 37345
B409	EJECT SPRING MK7	0000 VM4 08716
B410	PINCH ROLLER ASSEMBLY MK8.	4835 464 57493
B411	PINCH SPRING MK8	0000 VM4 09340
B412	S BRAKE LEVER MK7.	4835 402 97794
B413	M BRAKE T SUB ASSEMBLY MK7	4835 464 57484
B414	M BRAKE S ASSEMBLY MK7	4835 464 57438
B415	S BRAKE L SPRING MK7	0000 VM4 08556
B416	M BRAKE T SPRING MK7	0000 VM4 08588
B417	TENSION SPRING MK8	0000 VM4 09452
B418	TENSION PLATE MK8.	0000 VM4 09451
B419	BT ARM MK7	4835 402 97752
B420	REC ARM MK7.	4835 402 97754
B421	REC ARM SPRING MK6	000V M40 7708D
B425	LOCK LEVER SPRING MK7.	0000 VM4 08555
B426	KICK PULLEY MK6.	4835 528 87053
B427	KICK SPRING MK6.	0000 VM4 07701
B428	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B435	F BRAKE SPRING MK7	000V M40 8722A
B460	BT SPRING MK7.	0000 VM4 08551
B461	MAIN LEVER SPRING MK8.	0000 VM4 09494
B462	PRISM(L2) MK8.	4835 464 57482
B463	PRISM(R2) MK7.	4835 464 57481
B464	CASSETTE DR LEVER SUB ASSEMBLY MK7	4835 464 57445
B465	INSULATION COVER MK8	0000 VM3 03517
B468	SOFT SPRING A MK7.	0000 VM4 09214
B470	TAPE GUIDE ARM ASSEMBLY MK8.	4835 464 57485
B471	CASSETTE GUIDE R ASSEMBLY MK8.	4835 464 57487
B472	SLIDER R ASSEMBLY MK8.	4835 464 57488
B473	SLIDER L ASSEMBLY MK8.	4835 464 57489
B474	CASSETTE DR LEVER ASSEMBLY MK7	4835 402 97786
B475	BT ARM ASSEMBLY MK7.	4835 402 97787
B476	REC ARM ASSEMBLY MK7	4835 402 97788
L1051	SCREW, S-TIGHT M2.6X6 PAN HEAD +	0000 GPM S9060
L1053	SCREW PRISM MK7.	0000 VM4 09038
L1063	SCREW, S-TIGHT M2.6X4 PAN HEAD +	0000 GPM S9040
L1081	SCREW, S-TIGHT M3X6 BIND HEAD+	0000 GBM S3060
L1101	SCREW, P-TIGHT 3X10 BIND HEAD+	0000 GBM P3100
L1151	SCREW, SEMS M3X4 PAN HEAD +.	0000 CPM 33040
L1191	SCREW, P-TIGHT M2.6X12ohmASHER HEAD+	0000 GCM P9120
L1321	SCREW, P-TIGHT 3X8 BIND HEAD+.	0000 GBM P3080
L1341	SCREW, P-TIGHT M2.6X8 BIND HEAD+	0000 GBM P9080
L1342	SCREW, P-TIGHT M2.6X6 BIND HEAD+	0000 GBM P9060
L1402	SCREW, P-TIGHT M2X6ohmASHER HEAD+.	0000 GCM P2060
L1403	SCREW, P-TIGHT M3X10ohmASHER HEAD+	0000 GCM P3100
L1406	SCREW, S-TIGHT M2.6X4 CUP HEAD+.	0000 GCM S9040
L1407	SCREW, S-TIGHT M2.6X8 PAN HEAD +	0000 GPM S9080
L1450	SCREW, SEMS M2.6X5 PAN HEAD+	0000 CPM 39050
L1451	SCREW:SLIDER R MK7	0000 VM4 08853

Mode SW CBA (SWV)

Mode SW CBA (SWV)

B422	Mode SW CBA (SWV).	0000 VSA 09408
CL281	PARALLELohmIRE 2P AWG26/GREY/UL2651.	WX1N 800 2-001
R281	CARBON RES. 1/4W 3.6K ohm ‘2%.	4835 110 57373
R282	CARBON RES. 1/4W 1.5Kohm ‘2%	4835 110 57186
R283	CARBON RES. 1/4W 10Kohm ‘2%.	4835 110 57214
R284	CARBON RES. 1/4W 22Kohm ‘2%.	4835 110 57283
R285	CARBON RES. 1/4W 470 ohm ‘2%	4835 110 57167
SW281	MODE SWITCH HMW0420-910010	4835 276 17326

Main CBA

Main CBA

Cabinet Parts

Cabinet Parts

S = Safety Part Be sure to use exact replacement part.

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DECK PARTS

DECK PARTS

2B6	DECK EARTH PLATE U17	0000 VM4 08662
2L051	SCREW, S-TIGHT M3X5 BIND HEAD+	0000 GBM S3050
B1	CHASSIS ASSEMBLY MK8	0000 VSA 09370
B2	CYLINDER ASSEMBLY(MK8) NTSC 4HD SQPB	4835 691 27307
B3	LOAD MTR ASSEMBLY MK7.	4835 361 27157
B4	MTR HOLDER MK8	4835 256 97343
B8	PULLEY ASSEMBLY MK6.	4835 528 87052
B9	MOVING GUIDE S PREPARATION MK7	4835 402 97757
B10	MOVING GUIDE T PREPARATION MK7	4835 402 97758
B11	LOAD ARM T ASSEMBLY MK7.	4835 464 57446
B12	LOAD ARM S ASSEMBLY MK8.	4835 464 57497
B13	LOAD LEVER ASSEMBLY MK7.	4835 464 57443
B15	LUMIRROhmASHER 3.1X6X0.35.	0000 VM4 03269
B21	LOAD BELT MK6.	4835 358 37149
B27	TENSION LEVER ASSEMBLY MK8	4835 464 57494
B31	AC HEAD ASSEMBLY MK7	4835 249 17013
B32	REEL(T) MK8.	4835 528 17048
B35	TAPE GUIDE ASSEMBLY MK8.	4835 464 57486
B37	CAPSTAN MTR F2QTB36.	4835 361 27158
B38	MODE LEVER MK8	4835 402 97798
B46	TAPE GUIDE ARM SPRING MK6.	000V M40 7704C
B47	ADJUST SCREW M2.6X6(SOD)	0000 VM4 09436
B51	FF ARM MK8	4835 402 97803
B52	CAPSTAN BELT(2) MK6.	4835 358 37148
B53	REEL P.S.W MK8	4835 528 17049
B73	FE HEAD(MK7) HVFHP0019A.	4835 249 17011
B74	PRISM MK8.	4835 464 57479
B81	M LEVER HOLDER MK7	4835 256 97336
B86	F BRAKE ASSEMBLY MK7	4835 464 57449
B108	P.S.W F.	000V M40 2629A
B121	WORM MK6	4835 522 37344
B122	P.S.W C.	0000 VM4 02626
B123	P.S.W (WORM THRUST).	0000 VM4 03348
B126	PULLEY MK6	4835 528 87049
B132	CLUTCH ASSEMBLY MK8.	4835 464 57496
B133	IDLER ASSEMBLY MK8	4835 464 57495
B142	SHAFT LOCK ASSEMBLY.	4835 464 57248
B144	CLUTCHohmASHER MK2	0000 VM4 04428
B145	MAIN LEVER ASSEMBLY MK7.	4835 464 57444
B148	TG CAP MK6	4835 402 97804
B300	FL ASSEMBLY MK8.	4835 130 97103
B302	RACK MK8	4835 402 97799
B303	FRONT DOOR OPENER MK7.	4835 402 97817
B304	DOOR OPENER MK7.	4835 402 97818
B308	SLIDER SHAFT MK8	0000 VM4 09335
B313	DR GEAR SPRING MK7	4835 522 37367
B319	CASSETTE SPRING MK8.	0000 VM4 09333
B329	HOLDER KICK ARM N MK6.	000V M30 2956B
B332	HOLDER ARM SPRING MK6.	000V M40 8062B
B339	REEL(S) MK8.	4835 528 17047
B344	CASSETTE GUIDE R MK8	4835 402 97797
B345	CASSETTE GUIDE L MK8	4835 402 97796
B347	GUIDE HOLDER(F) MK8.	4835 256 97342
B348	GUIDE HOLDER R MK8	4835 256 97341
B350	SLIDER GEAR MK8.	4835 522 37368
B352	CASSETTE DR GEAR(N) MK6.	4835 522 37354
B353	CASSETTE PLATE SUB ASSEMBLY MK8.	4835 464 57491
B354	SLIDER(R) MK8.	4835 466 47055
B355	SLIDER(L) MK8.	4835 466 47054
B358	CAM MK7.	4835 528 37038
B365	RADIATOR PLATE MK7	0000 VM4 08563
B401	VH CONNECTOR 6A MK7.	0000 VM3 03175
B402	VH CONNECTOR 6B MK6.	0000 VM4 07722
B403	ACH CONNECTOR A MK7.	4835 402 97801
B404	ACH CONNECTOR B MK7.	0000 VM4 08582
B405	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B406	SENSOR GEAR MK7.	4835 522 37369
B407	M GEAR MK6	4835 522 37345
B409	EJECT SPRING MK7	0000 VM4 08716
B410	PINCH ROLLER ASSEMBLY MK8.	4835 464 57493
B411	PINCH SPRING MK8	0000 VM4 09340
B412	S BRAKE LEVER MK7.	4835 402 97794
B413	M BRAKE T SUB ASSEMBLY MK7	4835 464 57484
B414	M BRAKE S ASSEMBLY MK7	4835 464 57438
B415	S BRAKE L SPRING MK7	0000 VM4 08556
B416	M BRAKE T SPRING MK7	0000 VM4 08588
B417	TENSION SPRING MK8	0000 VM4 09452
B418	TENSION PLATE MK8.	0000 VM4 09451
B419	BT ARM MK7	4835 402 97752
B420	REC ARM MK7.	4835 402 97754
B421	REC ARM SPRING MK6	000V M40 7708D
B425	LOCK LEVER SPRING MK7.	0000 VM4 08555
B426	KICK PULLEY MK6.	4835 528 87053
B427	KICK SPRING MK6.	0000 VM4 07701
B428	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B435	F BRAKE SPRING MK7	000V M40 8722A
B460	BT SPRING MK7.	0000 VM4 08551
B461	MAIN LEVER SPRING MK8.	0000 VM4 09494
B462	PRISM(L2) MK8.	4835 464 57482
B463	PRISM(R2) MK7.	4835 464 57481
B464	CASSETTE DR LEVER SUB ASSEMBLY MK7	4835 464 57445
B465	INSULATION COVER MK8	0000 VM3 03517
B468	SOFT SPRING A MK7.	0000 VM4 09214
B470	TAPE GUIDE ARM ASSEMBLY MK8.	4835 464 57485
B471	CASSETTE GUIDE R ASSEMBLY MK8.	4835 464 57487
B472	SLIDER R ASSEMBLY MK8.	4835 464 57488
B473	SLIDER L ASSEMBLY MK8.	4835 464 57489
B474	CASSETTE DR LEVER ASSEMBLY MK7	4835 402 97786
B475	BT ARM ASSEMBLY MK7.	4835 402 97787
B476	REC ARM ASSEMBLY MK7	4835 402 97788
L1051	SCREW, S-TIGHT M2.6X6 PAN HEAD +	0000 GPM S9060
L1053	SCREW PRISM MK7.	0000 VM4 09038
L1063	SCREW, S-TIGHT M2.6X4 PAN HEAD +	0000 GPM S9040
L1081	SCREW, S-TIGHT M3X6 BIND HEAD+	0000 GBM S3060
L1101	SCREW, P-TIGHT 3X10 BIND HEAD+	0000 GBM P3100
L1151	SCREW, SEMS M3X4 PAN HEAD +.	0000 CPM 33040
L1191	SCREW, P-TIGHT M2.6X12ohmASHER HEAD+	0000 GCM P9120
L1321	SCREW, P-TIGHT 3X8 BIND HEAD+.	0000 GBM P3080
L1341	SCREW, P-TIGHT M2.6X8 BIND HEAD+	0000 GBM P9080
L1342	SCREW, P-TIGHT M2.6X6 BIND HEAD+	0000 GBM P9060
L1402	SCREW, P-TIGHT M2X6ohmASHER HEAD+.	0000 GCM P2060
L1403	SCREW, P-TIGHT M3X10ohmASHER HEAD+	0000 GCM P3100
L1406	SCREW, S-TIGHT M2.6X4 CUP HEAD+.	0000 GCM S9040
L1407	SCREW, S-TIGHT M2.6X8 PAN HEAD +	0000 GPM S9080
L1450	SCREW, SEMS M2.6X5 PAN HEAD+	0000 CPM 39050
L1451	SCREW:SLIDER R MK7	0000 VM4 08853

Mode SW CBA (SWV)

Mode SW CBA (SWV)

B422	Mode SW CBA (SWV).	0000 VSA 09408
CL281	PARALLELohmIRE 2P AWG26/GREY/UL2651.	WX1N 800 2-001
R281	CARBON RES. 1/4W 3.6K ohm ‘2%.	4835 110 57373
R282	CARBON RES. 1/4W 1.5Kohm ‘2%	4835 110 57186
R283	CARBON RES. 1/4W 10Kohm ‘2%.	4835 110 57214
R284	CARBON RES. 1/4W 22Kohm ‘2%.	4835 110 57283
R285	CARBON RES. 1/4W 470 ohm ‘2%	4835 110 57167
SW281	MODE SWITCH HMW0420-910010	4835 276 17326

Main CBA

Main CBA

Cabinet Parts

Cabinet Parts

Main (MMA) CBA

Main (MMA) CBA

	MMA CBA.	0000 ESA 03067
C001	CER CAP.(AX) 0.01mF/25V +20/-80% (F)	4835 125 17009
C002	ELECT 100mF/10V ±20%	4835 124 47323
C007	ELECT 22mF/16V ±20%.	4835 124 47175
C012	CER CAP.(AX) 0.01mF/25V +20/-80% (F)	4835 125 17009
C013	ELECT 1mF/50V ±20%	4835 124 47014
C032	CER CAP.(AX) 0.01mF/25V +20/-80% (F)	4835 125 17009
C040	CER CAP.(AX) 56pF/50V ±5% (SL)	4835 122 47053
C201	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C203	CER CAP.(AX) 0.047mF/16V +20/-80% (F).	4835 122 47603
C205	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C208	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C210	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C211	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C213	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C214	CER CAP.(AX) 0.01mF/25V +20/-80% (F)	4835 125 17009
C215	CER CAP.(AX) 0.022mF/25V +20/-80% (F).	4835 122 47214
C216	ELECT 1mF/50V ±20% H7.	4835 124 47045
C218	CER CAP.(AX) 10pF/50V ±5% (CH)	4835 122 47003
C219	CER CAP.(AX) 15pF/50V ±5% (CH)	4835 122 47085
C220	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C221	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C223	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C225	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C230	ELECT 47mF/16V ±20% H7	4835 124 47073
C231	ELECT 47mF/16V ±20% H7	4835 124 47073
C240	ELECT 22mF/16V ±20% H7	4835 124 47128
C241	CER CAP.(AX) 0.01mF/25V +20/-80% (F)	4835 125 17009
C242	CER CAP.(AX) 220pF/50V ±10% (B).	4835 122 47006
C243	ELECT 1mF/50V ±20% H7.	4835 124 47045
C244	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C245	CER CAP.(AX) 560pF/50V ±10% (B).	4835 122 47206
C250	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C251	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C252	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C253	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C256	CER CAP.(AX) 0.047mF/16V +20/-80% (F).	4835 122 47603
C258	ELECT 47mF/16V ±20%.	4835 124 47073
C259	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C264	CER CAP.(AX) 6800pF/16V ±10% (X)	4835 122 97078
C265	CER CAP.(AX) 0.047mF/16V +20/-80% (F).	4835 122 47603
C268	CER CAP.(AX) 100pF/50V ±10% (B).	4835 122 47014
C269	CER CAP.(AX) 100pF/50V ±10% (B).	4835 122 47014
C275	CER CAP.(AX) 0.01mF/25V +20/-80% (F)	4835 125 17009
C278	CER CAP.(AX) 0.01mF/25V +20/-80% (F)	4835 125 17009
C279	CER CAP.(AX) 0.01mF/25V +20/-80% (F)	4835 125 17009

S = Safety Part Be sure to use exact replacement part.

CCA193AT31 (continued)

C280	ELECT 22mF/16V ±20%.	4835 124 47175
C285	ELECT 22mF/16V ±20% H7	4835 124 47128
C286	ELECT 47mF/16V ±20% H7	4835 124 47073
C287	CER CAP.(AX) 0.022mF/25V +20/-80% (F).	4835 122 47214
C288	ELECT 22mF/16V ±20% LL H7.	4835 124 47175
C290	CER CAP.(AX) 0.022mF/25V +20/-80% (F).	4835 122 47214
C291	CER CAP.(AX) 0.01mF/16V ±10% (Y) . . .	4835 122 47552
C292	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C293	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C294	ELECT 22mF/16V ±20% H7	4835 124 47128
C296	CER CAP.(AX) 0.047mF/16V +20/-80% (F).	4835 122 47603
C299	ELECT 47mF/16V ±20% H7	4835 124 47073
C301	ELECT 22mF/16V ±20%.	4835 124 47175
C302	ELECT 100mF/10V ±20%	4835 124 47323
C303	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C304	ELECT 100mF/10V ±20%	4835 124 47323
C305	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C306	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C307	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C308	CER CAP.(AX) 330pF/50V ±10% (B). . . .	4835 122 47047
C309	ELECT 1mF/50V ±20%	4835 124 47014
C310	CER CAP.(AX) 0.018mF/6V ±20%	4835 122 47693
C311	FILM CAP.(P) 0.0047mF/50V ±5%.	4835 121 47676
C321	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C322	ELECT 100mF/16V ±20% H7.	4835 124 47033
C323	CER CAP.(AX) 100pF/50V ±10% (B). . . .	4835 122 47014
C324	ELECT 2.2mF/50V ±20%	4835 124 47086
C325	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C326	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C328	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C329	ELECT 1mF/50V ±20% H7.	4835 124 47045
C330	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C331	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C332	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C333	ELECT 10mF/50V ±20% H7	4835 124 47202
C336	ELECT 1mF/50V ±20% LL.	4835 124 47305
C343	CER CAP.(AX) 3300pF/16V ±10% (X) . . .	4835 122 47475
C344	CER CAP.(AX) 0.047mF/16V +20/-80% (F).	4835 122 47603
C345	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C346	ELECT 10mF/50V ±20%.	4835 124 47202
C348	CER CAP.(AX) 0.015mF/6V ±20%	4835 122 47675
C349	ELECT 0.47mF/50V ±20%.	4835 124 47155
C350	ELECT 1mF/50V ±20% H7.	4835 124 47045
C351	CER CAP.(AX) 0.022mF/6V ±30% (Y) . . .	4835 122 47694
C354	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C355	ELECT 330mF/16V ±20%	4835 124 47008
C356	ELECT 220mF/10V ±20%	4835 124 47292
C357	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C362	ELECT 1mF/50V ±20% H7.	4835 124 47045
C370	ELECT 1mF/50V ±20%	4835 124 47014
C371	ELECT 0.47mF/50V ±20%.	4835 124 47155
C372	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C373	ELECT 0.33mF/50V ±20%.	4835 124 47544
C375	ELECT 0.1mF/50V ±20%	4835 124 47048
C376	CER CAP.(AX) 2200pF/16V ±10% (X) . . .	4835 122 47437
C378	ELECT 1mF/50V ±20% H7.	4835 124 47045
C385	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C386	CER CAP.(AX) 10pF/50V ±5% (SL)	4835 122 47003
C387	ELECT 0.47mF/50V ±20%.	4835 124 47155
C401	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C402	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C403	CER CAP.(AX) 0.012mF/6V ±20% (Y) . . .	4835 122 47692
C404	ELECT 10mF/16V ±20% H7	4835 124 47268
C405	ELECT 4.7mF/25V ±20% H7.	4835 124 47481
C406	CER CAP.(AX) 2700pF/16V ±10% (X) . . .	4835 122 47538
C407	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C408	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C410	ELECT 1mF/50V ±20% H7.	4835 124 47045
C411	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C412	CER CAP.(AX) 0.022mF/25V +20/-80% (F).	4835 122 47214
C414	CER CAP.(AX) 390pF/50V ±10% (B). . . .	4835 122 47041
C415	CER CAP.(AX) 18pF/50V ±5% (SL)	4835 122 47086
C416	CER CAP.(AX) 180pF/50V ±10% (B). . . .	4835 122 17015
C417	CER CAP.(AX) 22pF/50V ±5% (SL)	4835 122 37016
C418	ELECT 1mF/50V ±20% H7.	4835 124 47045
C421	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C422	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C423	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C425	ELECT 47mF/16V ±20% H7	4835 124 47073
C427	ELECT 0.1mF/50V ±20% H7.	4835 124 47048
C429	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C430	ELECT 10mF/16V ±20% H7	4835 124 47268
C431	ELECT 1mF/50V ±20% H7.	4835 124 47045
C432	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C433	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C434	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C435	ELECT 1mF/50V ±20% H7.	4835 124 47045
C436	ELECT 1mF/50V ±20% H7.	4835 124 47045
C437	ELECT 1mF/50V ±20% H7.	4835 124 47045
C438	ELECT 22mF/10V ±20% H7	4835 124 47307
C440	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C441	CER CAP.(AX) 820pF/50V ±10% (B). . . .	4835 122 47405
C443	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C444	CER CAP.(AX) 0.022mF/25V +20/-80% (F).	4835 122 47214
C445	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C447	CER CAP.(AX) 0.022mF/25V +20/-80% (F).	4835 122 47214
C448	ELECT 100mF/6.3V ±20% H7	4835 124 47263
C450	ELECT 1mF/50V ±20% H7.	4835 124 47045
C451	ELECT 2.2mF/50V ±20% H7.	4835 124 47049
C452	CER CAP.(AX) 5600pF/16V ±10% (X) . . .	4835 122 47486
C453	ELECT 1mF/50V ±20% H7.	4835 124 47045
C454	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C455	ELECT 0.47mF/50V ±20% H7	4835 124 47155
C456	ELECT 10mF/16V ±20% H7	4835 124 47268
C460	CER CAP.(AX) 0.047mF/16V +20/-80% (F).	4835 122 47603
C461	ELECT 0.1mF/50V ±20% H7.	4835 124 47048
C463	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C464	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C465	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C466	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C467	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C468	ELECT 33mF/6.3V ±20% H7.	4835 124 47169
C470	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C471	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
C472	CER CAP.(AX) 0.047mF/16V +20/-80% (F).	4835 122 47603
C474	ELECT 1mF/50V ±20% H7.	4835 124 47045
C476	ELECT 4.7mF/25V ±20% H7.	4835 124 47481
C477	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C478	CER CAP.(AX) 0.022mF/25V +20/-80% (F).	4835 122 47214
C480	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C481	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C482	ELECT 22mF/16V ±20% H7	4835 124 47128
C483	CER CAP. 470pF/100V ±10% (B)	4835 122 47691
C484	FILM CAP.(P) 0.018mF/100V ±5% TV . . .	4835 124 47665
C490	ELECT 10mF/16V ±20% H7	4835 124 47268
S C601	CER CAP. 680pF/2kV LB.	4835 122 47514
S C603	FILM CAP.(P) 0.068mF/50V ±5%	4835 121 47677
C604	FILM CAP.(P) 0.068mF/50V ±5%	4835 121 47677
S C605	FILM CAP.(MP) 0.1mF/250V ±20%.	4835 121 47025
C606	FILM CAP.(P) 0.018mF/50V ±5%	4822 121 42701
C607	FILM CAP.(P) 0.022mF/50V ±5%	4835 121 47263
C608	FILM CAP.(P) 0.1mF/50V ±5%	4835 122 47451
S C609	ELECT 220mF/200V(LK TYPE).	4835 124 47022
C610	CER CAP. 0.01mF/AC250V	4835 122 47502
C611	CER CAP. 0.01mF/AC250V	4835 122 47502
S C612	CER CAP. 0.01mF/AC250V	4835 122 47502
S C613	CER CAP. 0.01mF/AC250V	4835 122 47502
S C614	CER CAP. 0.01mF ±1% CS	4835 125 97008
S C615	CER CAP. 0.01mF ±1% CS	4835 125 97008
C620	ELECT 470mF/35V ±20%	4835 124 47069
C621	ELECT 47mF/16V ±20%.	4835 124 47073
S C622	ELECT 100mF/160V ±20%ohm/F	4822 124 22663
S C623	ELECT 470mF/16V ±20%	4835 124 47286
S C624	ELECT 470mF/16V ±20%	4835 124 47286
C625	ELECT 1000mF/16V ±20%.	4835 124 47005
C626	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C627	CER CAP. 0.01mF/50V +20/-80% (F) . . .	4835 122 37011
S C628	CER CAP. 470pF/2kV LB.	4835 122 47642
C629	ELECT 1mF/50V ±20%	4835 124 47014
C630	ELECT 10mF/50V ±20%.	4835 124 47202
C632	ELECT 220mF/6.3V ±20%.	4835 124 47168
C633	ELECT 100mF/16V ±20%	4835 124 47033
C634	ELECT 100mF/16V ±20%	4835 124 47033
C635	ELECT 47mF/16V ±20% H7	4835 124 47073
C636	ELECT 100mF/16V ±20%	4835 124 47033
C637	ELECT 47mF/16V ±20% H7	4835 124 47073
C638	ELECT 1mF/50V ±20%	4835 124 47014
C639	ELECT 22mF/50V ±20%.	4835 124 47051
S C801	SEMI CAP 0.033mF/25V ±10% (YR)	4835 122 47288
C802	ELECT 0.47mF/50V ±20%.	4835 124 47155
C803	ELECT 47mF/10V ±20%.	4835 124 47242
C805	ELECT 330mF/16V ±20%	4835 124 47008
C807	ELECT 1000mF/16V ±20%.	4835 124 47005
C808	CER CAP.(AX) 0.1mF/50V +20/-80% (F). .	4835 122 47162
C809	CER CAP.(AX) 0.01mF/25V +20/-80% (F) .	4835 125 17009
CN202	CONNECTOR 8P TMC-J08P-A1	J3TM A08 TG002
CN301	CONNECTOR BASE 7P TUC-P07P-B1.	J3TU A07 TG001
CN303	CONNECTOR BASE 7P TUC-P07P-B1.	J3TU A07 TG001
CN304	CONNECTOR BASE 5P TUC-P05P-B1.	J3TU A05 TG001
CN471	FFC CONNECTOR BASE TOP 6P 9604S-06C. .	JC04 J06 ER002
CN601	CONNECTOR BASE 2P TV-50P-02-V1	J3RT C02 TG001
CN602	CONNECTOR BASE 6P TUC-P06P-B1.	J3TU A06 TG001
CN801	STRAIGHT CONNECTOR BASE.	J383 C02 UG002
CN851	FFC CONNECTOR BASE TOP 17P 9604S-17C .	JC04 J17 ER002
CN852	CABLE CONNECTOR 2P TMC-E02X-A1	4835 263 97018
D201	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D205	ZENER DIODE MTZJT-776.2B	4835 130 37593
D206	ZENER DIODE MTZJT-775.6B	4835 130 37329
D209	LED SIR-56ST3F-M	4835 130 87154
D211	LED LTL-4214M1	4835 130 87149
D214	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D215	ZENER DIODE MTZJT-776.8B	4835 130 37881
D216	ZENER DIODE MTZJT-775.6B	4835 130 37329
D217	ZENER DIODE MTZJT-775.6B	4835 130 37329

S = Safety Part Be sure to use exact replacement part.

CCA193AT31 (continued)

	D218	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D219	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D220	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D221	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D222	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D224	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D225	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D226	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D227	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D271	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D301	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D302	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D303	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D304	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D305	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D307	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D308	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D310	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D312	ZENER DIODE MTZJT-776.8B	4835 130 37881
	D323	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D324	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D325	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D371	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D401	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D441	ZENER DIODE MTZJT-775.6B	4835 130 37329
S	D602	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D603	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D604	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D605	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D606	ZENER DIODE MTZJT-7720C.	4835 130 37983
S	D610	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D611	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D612	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D613	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D614	ZENER DIODE MTZJT-776.8B	4835 130 37881
S	D615	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D616	ZENER DIODE 1ZC30.	4835 130 37982
S	D617	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D618	SCHOTTKY BARRIER DIODE ERA81-004	4835 130 37211
S	D619	SCHOTTKY BARRIER DIODE ERA81-004	4835 130 37211
	D620	PCB JUMPER D0.6-P0.5	0000 00J W5.0T
S	D621	FAST RECOVERY DIODE ERC25-06	4835 130 37898
	D623	FILM CAP.(P) 0.01mF/50V J.	4835 121 47461
	D624	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D626	ZENER DIODE MTZJT-7736A.	4835 130 37785
S	D627	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D629	CARBON RES. 1/4W J 8.2kohm	4835 110 57264
S	D630	ZENER DIODE MTZJT-776.8A	4835 130 37971
	D631	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D632	ZENER DIODE MTZJT-779.1A	4835 130 37506
	D633	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D634	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D635	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D636	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D637	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D638	ZENER DIODE MTZJT-775.6A	4835 130 37329
S	D640	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D641	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D642	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D643	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D644	ZENER DIODE MTZJT-772.2B	4835 130 37961
S	D645	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D646	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D647	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D648	ZENER DIODE MTZJT-776.2A	4835 130 37959
	D649	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D650	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D651	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D652	ZENER DIODE MTZJT-7720B.	4835 130 37965
	D653	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D655	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D801	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D810	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D811	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D850	ZENER DIODE MTZJT-775.6B	4835 130 37329
	J146	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	IC201	MICROCOMPUTER 16BIT M37760MCA8B2GP	4835 209 17635
	IC202	EEPROM IC M24C04-MN6	4835 209 47444
	IC203	IC:RESET BMR-0101C	4835 209 47438
S	IC204A	IC BA6955N	4835 209 47404
S	IC204	IC TA7291S	4835 209 87744
	IC207	IC:OP-AMP. LM324N.	4835 209 87763
S	IC301	IC:CHROMA/IF 1 CHIP M52772FP	4835 209 47435
	IC401	IC:Y/C/A LA71077M.	4835 209 47439
S	IC601	PHOTOCOUPLER LTV-817B-F.	4835 130 37977
S	IC602	IC:VOLTAGE REGULATOR 5V KIA7805PI.	4835 209 88129
S	IC801	IC TDA7231A.	4835 209 88115
	J098	INDUCTOR 2.2mH-J-26T	4835 157 57639
	L001	INDUCTOR 100mH-J-5FT	4835 157 57798
	L040	INDUCTOR 18mH-K-26T.	4835 157 57371
	L246	INDUCTOR 0.1mH-M-26T	4835 157 58236
	L303	INDUCTOR 10mH-J-26T.	4835 157 57643
	L361	INDUCTOR 12mH-J-26T.	4835 157 58071
	L362	INDUCTOR 18mH-K-26T.	4835 157 57371
	L423	INDUCTOR 100mH-J-26T	4835 157 57644
	L442	INDUCTOR 100mH-J-26T	4835 157 57644
	L470	INDUCTOR 22mH-J-26T.	4835 157 57641
	L481	INDUCTOR 47mH-K-5FT.	4835 157 57375
S	L601	LINE FILTER 5.0mH 6Y075.	4835 154 97202
	L602	CHOKE COIL 47mH-K.	4835 157 58208
	Q201	RESET KTC3199(GR) NPN.	4835 130 47914
	Q202	PHOTO TRANSISTOR ST-319R2-B.	4835 130 48138
	Q203	PHOTO TRANSISTOR ST-319R2-B.	4835 130 48138
	Q204	PHOTO TRANSISTOR ST-319R2-B.	4835 130 48138
	Q210	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q309	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q310	BUFFER 2SA1317(U) PNP	4835 130 47422
	Q311	SWITCHING 2SC3468(D)-AE NPN.	4835 130 47981
	Q312	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q313	BUFFER KTC3199(GR) NPN.	4835 130 47914
	Q314	AMP KTC3199(GR) NPN.	4835 130 47914
	Q315	AMP KTC3199(GR) NPN.	4835 130 47914
	Q422	BUFFER 2SA1317(U) PNP.	4835 130 47422
	Q431	AMP 2SA1317(U) PNP	4835 130 47422
	Q441	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q481	SWITCHING 2SA1317(U) PNP	4835 130 47422
	Q482	BIAS OSC 2SC2120-O(TPE2) NPN	4835 130 47756
	Q483	SWITCHING 2SC3331(T) NPN	4835 130 47549
	Q484	SWITCHING 2SC3331(T) NPN	4835 130 47549
	Q485	RES. BUILT-IN TRANSISTOR KRA103M	4835 130 47907
S	Q601	MOS FET 2SK2079-01MR	4835 130 48164
S	Q602	LIMITER 2SC2120-O(TPE2) NPN.	4835 130 47756
S	Q605	FEED BACK KTC3199(GR) NPN.	4835 130 47914
	Q609	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S	Q610	SWITCHING 2SB698(G) PNP.	4835 130 47915
	Q611	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q612	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S	Q615	+5V REGULATOR KTC3199(GR) NPN.	4835 130 47914
S	Q616	+9V REGULATOR KTC3199(GR) NPN.	4835 130 47914
S	Q617	+5V REGULATOR 2SD400(F) NPN.	4835 130 47433
S	Q618	+5V REGULATOR KTC3199(GR) NPN.	4835 130 47914
S	Q619	+5V REGULATOR KTC3199(GR) NPN.	4835 130 47914
	Q801	AUDIO MUTE KTC3199(GR) NPN	4835 130 47914
	R001	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R002	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R003	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R011	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R012	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R030	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R100	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R101	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R102	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R103	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R104	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R105	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R106	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R107	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R108	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R109	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R110	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R201	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R202	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R203	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R205	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R206	CARBON RES. 1/4W ±5% 820kohm	4835 110 57344
	R207	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R208	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R209	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053
	R217	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R218	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R219	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R220	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R221	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R222	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R223	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R224	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R226	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R227	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R228	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R229	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R231	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R234	CARBON RES. 1/4W ±5% 470kohm	4835 110 57225
	R239	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R240	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R241	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R242	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R243	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R244	CARBON RES. 1/4W ±5% 1Mohm	4835 110 57272
	R245	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R248	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R249	CARBON RES. 1/4W ±5% 68kohm.	4835 110 57168
	R250	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R251	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R252	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059

S = Safety Part Be sure to use exact replacement part.

CCA193AT31 (continued)

R253	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
R254	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R255	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R256	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R257	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
R258	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
R259	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
R260	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S R265	METAL RESISTOR 1W ±5% 2.7ohm	4835 116 57346
R266	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
R268	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R269	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
R270	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
R273	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053
R274	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R275	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R277	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
R278	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R280	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
R281	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
R282	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R283	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R284	CARBON RES. 1/4W ±5% 39kohm.	4835 110 57262
R285	CARBON RES. 1/4W ±5% 220kohm	4835 110 57208
R286	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R287	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R288	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R289	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R291	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
R292	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
R293	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
R296	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
R301	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
R302	CARBON RES. 1/4W ±5% 390kohm	4835 110 57263
R303	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R304	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R305	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R306	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R307	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R309	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
R311	CARBON RES. 1/4W ±5% 390kohm	4835 110 57263
R314	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
R316	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R317	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
R321	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R323	CARBON RES. 1/4W ±5% 330kohm	4835 110 57197
R324	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
R325	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
R326	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R327	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R328	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R329	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R330	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R331	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R332	CARBON RES. 1/4W ±5% 27kohm.	4835 111 37182
R333	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
R335	CARBON RES. 1/4W ±5% 22ohm	4835 110 57036
R337	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
R338	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R343	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R344	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R347	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R348	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
R350	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R352	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
R354	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R355	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R366	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R367	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R368	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
R369	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R371	CARBON RES. 1/4W ±5% 10Mohm.	4835 110 57288
R374	CARBON RES. 1/4W ±5% 470kohm	4835 110 57225
R375	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R376	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R377	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
R378	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
R379	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R380	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R381	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R382	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R384	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R386	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R387	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R388	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
R401	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R402	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
R403	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
R404	CARBON RES. 1/4W ±5% 330kohm	4835 110 57197
R405	CARBON RES. 1/4W ±5% 120ohm.	4835 110 57217
R406	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
R407	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R410	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
R411	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
R413	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
R414	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
R415	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R416	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R417	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R419	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
R422	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R423	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R424	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
R425	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R426	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R427	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R428	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R429	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
R430	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
R432	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R434	CARBON RES. 1/4W ±5% 3.3Mohm	4835 110 57047
R435	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
R436	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
R437	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R438	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R439	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
R440	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R441	CARBON RES. 1/4W ±5% 180ohm.	4835 110 57219
R442	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
R443	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
R445	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
R450	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R451	CARBON RES. 1/4W ±5% 27kohm.	4835 111 37182
R452	CARBON RES. 1/4W ±5% 2.2Mohm	4835 110 57039
R453	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
R454	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R460	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
R461	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R462	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R464	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R465	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
R466	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
R467	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R469	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R481	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
R482	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R483	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R484	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
R485	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R486	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R487	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R601	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
R602	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
S R604	FIXED METAL OXIDE FILM RES. 2W ±5% 0.22 ohm.	4835 116 57572
S R605	CEMENT RES. 5W ±5% 1.2ohm.	4835 113 87008
S R605	CEMENT RESISTOR 5W ±10% 1.2ohm	4835 113 87008
S R606	CARBON RES. 1/2W ±5% 3.3Mohm	4835 110 47117
S R607	METAL RESISTOR 2W ±5% 220ohm	4835 116 57792
S R608	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
S R609	METAL RESISTOR 2W ±5% 220ohm	4835 116 57792
R611	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
R612	CARBON RES. 1/4W ±5% 3.9ohm.	4835 110 57281
R613	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R614	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
R615	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
R619	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S R625	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
S R626	CARBON RES. 1/4W ±5% 12ohm	4835 110 57252
S R627	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
S R628	METAL RESISTOR 2W ±5% 68ohm.	4835 116 57573
S R629	METAL RESISTOR 2W ±5% 68ohm.	4835 116 57573
S R630	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
S R631	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
S R635	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
R640	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
S R641	CEMENT RESISTOR 5W3.9kohm ±5%.	4835 113 87021
R642	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
R643	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
S R644	METAL RESISTOR 2W ±5% 6.8kohm.	4835 116 67303
R645	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
S R646	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
S R647	CARBON RES. 1/4W ±5% 39kohm.	4835 110 57262
S R648	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
S R649	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
S R650	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
S R651	METAL RESISTOR 2W ±5% 560ohm	4835 116 57123
R652	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
R653	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R654	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
S R655	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
R656	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R657	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
R658	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032

S = Safety Part Be sure to use exact replacement part.

CCA193AT31 (continued)

	R660	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R661	CARBON RES. 1/4W ±5% 220kohm	4835 110 57208
	R662	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R663	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S	R665	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
S	R666	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S	R667	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S	R668	CARBON RES. 1/2W ±5% 15ohm	4835 110 47063
	R669	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R670	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S	R672	METAL RES. 2W ±5% 12ohm.	4835 116 57075
	R673	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
	R674	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R675	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R701	CARBON RES. 1/4W ±5% 75ohm	4835 110 57056
	R801	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
S	R806	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
S	R807	METAL RESISTOR 1W ±5% 12ohm.	4835 116 57639
S	R808	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R810	CARBON RES. 1/2W ±5% 120ohm.	4835 110 57255
	R811	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
	R812	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	SW101	TACT SWITCH SKQSAB	4835 276 17331
	SW102	TACT SWITCH SKQSAB	4835 276 17331
	SW103	TACT SWITCH SKQSAB	4835 276 17331
	SW104	TACT SWITCH SKQSAB	4835 276 17331
	SW105	TACT SWITCH SKQSAB	4835 276 17331
	SW106	TACT SWITCH SKQSAB	4835 276 17331
	SW107	TACT SWITCH SKQSAB	4835 276 17331
	SW108	TACT SWITCH SKQSAB	4835 276 17331
	SW109	TACT SWITCH SKQSAB	4835 276 17331
	SW110	TACT SWITCH SKQSAB	4835 276 17331
	SW201	PUSH SWITCH SPPB61066A	4835 276 17213
	T301	VCO COIL KHI-821023.	4835 140 67127
S	T601	SWITCHING TRANS S1729F	4835 148 87374
	VR601	CARBON P.O.T. 10kohm B	4835 100 97516
	X201	CRYSTAL OSCILLATOR HC-49/U	4835 242 77326
	X202	CRYSTAL OSCILLATOR 32kHz(10PPM).	4835 242 77091
	X301	CER RESONATOR CSB503F18.	4835 242 77226
	X321	CRYSTAL OSCILLATOR 3.579545 MHz.	4835 242 77308
	X401	CRYSTAL OSCILLATOR 3.579545MHz	4835 242 77093
	BC601	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC602	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC603	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC607	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC608	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC609	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	CF301	CER FILTER SFSH4.5MCB.	4835 153 97029
	CF302	CER TRAP TPS4.5MB2	4835 153 97048
S	F601	FUSE TDS4A125VU/C.	4835 253 97153
	FH60	FUSE HOLDER MSF-015.	XH01 Z00 LY001
	FH602	FUSE HOLDER MSF-015.	XH01 Z00 LY001
	JK701	RCA JACK(YELLOW) RJ-1066-04-1030	4835 265 97402
	JK702	RCA JACK(WHITE) RJ-1066-03-1030.	4835 265 97401
	JK801	EARPHONE JACK HSJ1403-01-010	4835 265 97306
S	PS601	POSISTOR ZPB58BL7R0F	4835 100 97281
	RS201	REMOTE RECEIVER PIC-26042LU.	4835 210 27058
S	SA601	SURGE ABSORBER JVR-07N471K	4835 252 27024
	SF003	SAW FILTER TSF5229P.	4835 153 97062
S	SG601	GAP. G3.10D.	4835 252 27023
	TB3	HEAD SHIELD.	0000 EM3 01241
	TB5	BUSH LED(E).	0000 VM4 08832
	TB7	19V POW HEAT SINK PDM ASSEMBLY	0000 EM4 04719
	TB16	BUSH LED(D) H1600UD.	0000 VM4 08655
	TL3	B-TITE SCREW 3X8 BIND + CHROME	0000 GBM B3080
	TU001	TUNER UNIT TEDH9-002A.	4835 210 47107
S	W601	AC CORD 9806190.	4835 321 17101

MUT CBA

		MUT CBA	
		MUT CBA.	0000 ESA 03137

H.V. CBA

		H.V. CBA	
	C552	FILM CAP.(P) 0.1mF/50V ±5%	4835 122 47451
	C553	ELECT 2.2mF/50V ±20% LL.	4835 124 47183
	C554	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	C555	ELECT 47mF/35V ±20%.	4835 124 97066
	C556	ELECT 1000mF/25V ±20%.	4835 124 47007
	C558	CER CAP.(AX) 0.01mF/25V +20/-80% (F)	4835 125 17009
	C559	ELECT 100mF/35V ±20%	4835 124 47233
	C560	FILM CAP.(P) 0.027mF/50V ±5%	4835 121 47576
S	C572	P.P. CAP. 0.39mF/200V ±5%.	4835 121 47667
S	C574	ELECT 4.7mF/250V ±20%.	4835 124 47465
	C577	FILM CAP.(P) 0.01mF/50V ±5%.	4835 121 47461
	C578	ELECT 47mF/35V ±20%.	4835 124 97066
S	C580	METAL FILM. 0.01mF/1.6kV ±5%	4835 121 47622
	C584	ELECT 1mF/160V ±20%.	4835 124 47516
S	C591	ELECT 1mF/50V ±20%	4835 124 47014
S	C592	ELECT 47mF/35V ±20%.	4835 124 97066
	C594	ELECT 10mF/160V ±20%	4835 124 47742
	CN571	CONNECTOR BASE 5P.	0000 017 30813
	D552	RECTIFIER DIODE ERA15-02	4835 130 37515
	D555	ZENER DIODE MTZJT-7720B.	4835 130 37965
S	D571	FAST RECOVERY DIODE ERB44-02	4835 130 37944
S	D572	RECTIFIER DIODE ERA22-02	4835 130 37788
	D573	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	D584	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D585	ZENER DIODE MTZJT-776.2B	4835 130 37593
S	D591	ZENER DIODE MTZJT-7736B.	4835 130 37785
S	D595	ZENER DIODE MTZJT-7720B.	4835 130 37965
S	D596	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D597	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D598	RECTIFIER DIODE ERA22-02	4835 130 37788
S	IC551	IC LA7840.	4835 209 47437
S	L572	INDUCTOR 33mH-J-26T.	4835 157 57373
	Q541	BEAD INDUCTOR FBA04HA600VB-00.	LLBF 00S TU026
	Q551	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q552	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S	Q571	H-OUTPUT TT2024-YB	4835 130 48165
S	Q572	H-DR 2SC1627Y-TPE2 NPN	4835 130 48141
S	Q591	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	J567	CARBON RES. 1/4W J 1ohm.	4835 110 57229
	R542	PCB JUMPER D0.6-P12.5.	0000 0JW 12.5T
	R551	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R552	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R553	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R554	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R555	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R556	CARBON RES. 1/4W ±5% 4.7ohm.	4835 110 57212
	R557	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R558	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R559	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R560	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R561	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R562	CARBON RES. 1/4W ±5% 3.3ohm.	4835 110 57026
	R563	CARBON RES. 1/4W ±5% 3.3ohm.	4835 110 57026
	R572	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R573	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S	R574	METAL RESISTOR 2W ±5% 1kohm.	4835 116 57057
S	R575	METAL RESISTOR 2W ±5% 1kohm.	4835 116 57057
	R576	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R577	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R580	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
S	R581	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
S	R582	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
S	R583	METAL RESISTOR 2W ±5% 1.5ohm	4835 110 27004
	R584	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R585	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R586	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R587	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R588	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R589	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
S	R591	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
S	R592	CARBON RES. 1/4W ±5% 180kohm	4835 110 57259
S	R593	CARBON RES. 1/4W ±5% 68kohm.	4835 110 57168
S	R594	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R596	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R597	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
S	R598	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
S	R599	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
S	T571	FLYBACK TRANS FCA169	4835 140 67195
S	T572	HORIZONTAL DR TRANS LP2-003.	4835 140 17006
	BC571	BEAD INDUCTOR FBA04HA600VB-00.	LLBF 00S TU026
	CL502A	LEADohmIRE 6P 430MM.	WX1T 700 0-003
	CL503A	LEADohmIRE 7P 560MM.	WX1T 700 0-004
	DB1	H.V. CBA HOLDER.	0000 EM2 00987
	DB2	19V H/V HEAT SINK(PDQ) T7000UA	0000 EM4 04776
	DB3	WASHER 12X3.2XT1	0000 0WP M3121
	DB4	19V CHASSIS NO.LABEL DJ T7000UA.	0000 EM4 04738
	DL1	SCREW P-TIGHT 3X10 BIND HEAD	0000 GBU P3100
	DL2	B-TITE SCREW 3X8 BIND + CHROME	0000 GBM B3080
	WH502B	WIRE HOLDER 6P HWT0200-06.	XW0H T06 C7001
	WH503B	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
	WH504A	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001

CRT CBA

		CRT CBA	
	C501	CER CAP.(AX) 270pF/50V ±10% (B).	4835 122 47122
	C502	CER CAP.(AX) 270pF/50V ±10% (B).	4835 122 47122
	C503	CER CAP.(AX) 270pF/50V ±10% (B).	4835 122 47122
	C504	ELECT 47mF/16V ±20%.	4835 124 47073
	C507	ELECT 1mF/50V ±20%	4835 124 47014
	C510	CER CAP. 1000pF/2kV ±10% (B)	4835 122 37048
	CN501	PIN CONNECTOR 005P-5100.	JTEA 001 TG001
	D501	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D502	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D503	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	L501	INDUCTOR 180mH-J	4835 157 58227
	Q501	RED-AMP 2SC2482 TPE6 NPN	4835 130 48046
	Q502	GREEN-AMP 2SC2482 TPE6 NPN	4835 130 48046
	Q503	BLUE-AMP 2SC2482 TPE6 NPN.	4835 130 48046
S	R501	METAL RESISTOR 1W ±5% 15kohm	4835 116 87019
S	R502	METAL RESISTOR 1W ±5% 15kohm	4835 116 87019

S = Safety Part Be sure to use exact replacement part.

CCA193AT31 (continued)

S	R503	METAL RESISTOR 1W ±5% 15kohm	4835 116 87019
	R506	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R507	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R508	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R511	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R512	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R513	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R514	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R516	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
	R517	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R518	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
	R519	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R520	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
	R521	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R531	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R532	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R534	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R535	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R536	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	CL501A	LEADohmIRE 3P 400MM.	WX1T 700 0-001
	CL504A	LEADohmIRE 5P 320MM.	WX1T 700 0-002
S	JK501	CRT SOCKET ISHS40S	4835 265 97454
	WH501A	WIRE HOLDER 3P HWT0200-03.	XW0H T03 C7001
	WH501B	WIRE HOLDER 3P HWT0200-03.	XW0H T03 C7001
	WH502A	WIRE HOLDER 6P HWT0200-06.	XW0H T06 C7001
	WH503A	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
	WH504B	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001

Junction A CBA

		Junction A CBA	
	CN504	CONNECTOR 5P TUC-P05X-B1	JCTU S05 TG001

Junction B CBA

		Junction B CBA	
	CN502	CONNECTOR 6P TUC-P06X-B1	JCTU S06 TG001
	CN503	CONNECTOR 7P TUC-P07X-B1	JCTU S07 TG001

Chassis Electrical Parts

		Chassis Electrical Parts	
	SP801	SPEAKER S08F02B.	4835 240 17019
	CL802	WIRE ASSEMBLY 2P/150	WX1B 590 0-001
S	DG601	DEGAUSSING COIL F-015.	4835 157 97055
S	V501	CRT PCEC:003502013301.	4835 131 27162
S	L551	DEFLECTION YOKE PCEC:003502013602. . .	4835 150 17167
	V501-1	C.P. MAGNET 6A062704	XM04 000 B8001
	V501-2	RUBBER MAGNET 20X10X1.2.	XM05 000 BV001
	V501-5	WEDGE FT-00110W.	XV10 000 T4001

Cabinet Parts

		Cabinet Parts	
	A1-1	FRONT CABINET.	4835 443 47568
	A1-2	CONTROL PLATE.	4835 443 67477
	A1-4	CASSETTE DOOR.	4835 443 67466
	A1-5	DOOR SPRING.	4835 492 97212
	A1-6	CLOTH(4X7XT0.7).	0000 EM4 04974
	A2	REAR CABINET	4835 443 47604
S	A3	RATING LABEL	0000 EM4 04999
	A4	POP LABEL.	0000 EM4 05001
	B1	TENSION SPRING B0080B0:EM40808	4835 492 37025
	B2	CRT MOUNTING SCREW PCEC:00103817-1820.	0000 EMN 01296
	B3	SHIELD PLATE T5000UA	0000 EM4 04783
S	B4	DEGAUSS HOLDER PCEC:00645991-0009. . .	0000 EMN 01294
	B5	CLOTH 190X15XT0.5.	0000 00T S7623
S	B8	CRITICAL PARTSohmARNING LABEL B8007C3:E M41210	0000 024 LH199
	L1	SCREW M4X18 PCEC:00103371-1809	0000 EMN 01297
	L2	SCREW TAPPING M4X14.	0000 DBU 14140
	L3	SCREW C-TIGHT M3X4 BIND HEAD+.	0000 GBM C3040
	L4	SCREW ASSEMBLED 12:M3X14	0000 EM4 04416
	S1	CARTON T7067UT	0000 EM4 05000
	S2	STYROFOAM TOP B7910UL.	0000 EM0 00319
	S3	STYROFOAM BOTTOM B7910UL	0000 EM0 00320
	S4	SERIAL NO. LABEL(P) B7860UL.	0000 EM4 04103
	S6	SET SHEET B7500UA:1000X1700.	0000 EM4 02178
	S14	TVCR HOLD PAD(MEX) T7062UN	0000 EM4 04940
	TB1	TRAY CHASSIS B5900UA	000E M00 0302H
	TB2	TOP SHIELD T5000UA	0000 EM2 00995
	TB6	SPEAKER HOLDER T5000UA	4835 256 37015
	TB9	BOTTOM SHIELD B5900UA.	0000 EM3 01132
	TB13	RCA HOLDER B5930JA	0000 EM4 04220
S	TB14	19V CHASSIS NO. LABEL TJ T7000UA . . .	0000 EM4 04739
	TB18	WASHER(D8) H1600UD	0000 VM4 08931
	TB20	CLOTH(10X30XT0.5).	0000 EM4 04486
	TL1	SCREW P-TIGHT 3X12ohmASHER HEAD+ . . .	0000 GCM P3120
	TL4	SCREW S-TIGHT 3X4 BIND HEAD+	0000 GBM S3040
	TL8	SCREW B-TIGHT M3X25 BIND HEAD+	0000 GBM B3250
	X1	POLYETHYLENE BAG PCEC:645560-0003. . .	0000 EMN 01300
S	X2	OWNERS MANUAL.	00IB 814 1E001
	X3	REMOTE CONTROL UNIT.	4835 218 37257
	X4	DRY BATTERY R6P UM3.	4835 138 17012
	X7	SERVICE CENTER MAP H7220UD	0000 VMN 01909
	X8	REGISTRATION CARD PCEC:00EL6192E001. .	0000 EMN 01302
S	X9	IMPORTANT SAFEGUARDS PCEC:00EL4496E006	0000 EMN 01233
	X10	REGISTRATION LABEL PCEC:00EL5031E001 .	0000 EMN 01301
	X21	SERVICE CONTRACT CARD:TVCR PCEC:EL6260E 001.	0000 EMN 01338
	X23	CATALOG.	0000 EMN 01486

S = Safety Part Be sure to use exact replacement part.

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DECK PARTS

	DECK PARTS	
2B6	DECK EARTH PLATE U17	0000 VM4 08662
2L051	SCREW, S-TIGHT M3X5 BIND HEAD+	0000 GBM S3050
B1	CHASSIS ASSEMBLY MK8	0000 VSA 09370
B2	CYLINDER ASSEMBLY(MK8) NTSC 4HD SQPB	4835 691 27307
B3	LOAD MTR ASSEMBLY MK7.	4835 361 27157
B4	MTR HOLDER MK8	4835 256 97343
B8	PULLEY ASSEMBLY MK6.	4835 528 87052
B9	MOVING GUIDE S PREPARATION MK7	4835 402 97757
B10	MOVING GUIDE T PREPARATION MK7	4835 402 97758
B11	LOAD ARM T ASSEMBLY MK7.	4835 464 57446
B12	LOAD ARM S ASSEMBLY MK8.	4835 464 57497
B13	LOAD LEVER ASSEMBLY MK7.	4835 464 57443
B15	LUMIRROhmASHER 3.1X6X0.35.	0000 VM4 03269
B21	LOAD BELT MK6.	4835 358 37149
B27	TENSION LEVER ASSEMBLY MK8	4835 464 57494
B31	AC HEAD ASSEMBLY MK7	4835 249 17013
B32	REEL(T) MK8.	4835 528 17048
B35	TAPE GUIDE ASSEMBLY MK8.	4835 464 57486
B37	CAPSTAN MTR F2QTB36.	4835 361 27158
B38	MODE LEVER MK8	4835 402 97798
B46	TAPE GUIDE ARM SPRING MK6.	000V M40 7704C
B47	ADJUST SCREW M2.6X6(SOD)	0000 VM4 09436
B51	FF ARM MK8	4835 402 97803
B52	CAPSTAN BELT(2) MK6.	4835 358 37148
B53	REEL P.S.W MK8	4835 528 17049
B73	FE HEAD(MK7) HVFHP0019A.	4835 249 17011
B74	PRISM MK8.	4835 464 57479
B81	M LEVER HOLDER MK7	4835 256 97336
B86	F BRAKE ASSEMBLY MK7	4835 464 57449
B108	P.S.W F.	000V M40 2629A
B121	WORM MK6	4835 522 37344
B122	P.S.W C.	0000 VM4 02626
B123	P.S.W (WORM THRUST).	0000 VM4 03348
B126	PULLEY MK6	4835 528 87049
B132	CLUTCH ASSEMBLY MK8.	4835 464 57496
B133	IDLER ASSEMBLY MK8	4835 464 57495
B142	SHAFT LOCK ASSEMBLY.	4835 464 57248
B144	CLUTCHohmASHER MK2	0000 VM4 04428
B145	MAIN LEVER ASSEMBLY MK7.	4835 464 57444
B148	TG CAP MK6	4835 402 97804
B300	FL ASSEMBLY MK8.	4835 130 97103
B302	RACK MK8	4835 402 97799
B303	FRONT DOOR OPENER MK7.	4835 402 97817
B304	DOOR OPENER MK7.	4835 402 97818
B308	SLIDER SHAFT MK8	0000 VM4 09335
B313	DR GEAR SPRING MK7	4835 522 37367
B319	CASSETTE SPRING MK8.	0000 VM4 09333
B329	HOLDER KICK ARM N MK6.	000V M30 2956B
B332	HOLDER ARM SPRING MK6.	000V M40 8062B
B339	REEL(S) MK8.	4835 528 17047
B344	CASSETTE GUIDE R MK8	4835 402 97797
B345	CASSETTE GUIDE L MK8	4835 402 97796
B347	GUIDE HOLDER(F) MK8.	4835 256 97342
B348	GUIDE HOLDER R MK8	4835 256 97341
B350	SLIDER GEAR MK8.	4835 522 37368
B352	CASSETTE DR GEAR(N) MK6.	4835 522 37354
B353	CASSETTE PLATE SUB ASSEMBLY MK8.	4835 464 57491
B354	SLIDER(R) MK8.	4835 466 47055
B355	SLIDER(L) MK8.	4835 466 47054
B358	CAM MK7.	4835 528 37038
B365	RADIATOR PLATE MK7	0000 VM4 08563
B401	VH CONNECTOR 6A MK7.	0000 VM3 03175
B402	VH CONNECTOR 6B MK6.	0000 VM4 07722
B403	ACH CONNECTOR A MK7.	4835 402 97801
B404	ACH CONNECTOR B MK7.	0000 VM4 08582
B405	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B406	SENSOR GEAR MK7.	4835 522 37369
B407	M GEAR MK6	4835 522 37345
B409	EJECT SPRING MK7	0000 VM4 08716
B410	PINCH ROLLER ASSEMBLY MK8.	4835 464 57493
B411	PINCH SPRING MK8	0000 VM4 09340
B412	S BRAKE LEVER MK7.	4835 402 97794
B413	M BRAKE T SUB ASSEMBLY MK7	4835 464 57484
B414	M BRAKE S ASSEMBLY MK7	4835 464 57438
B415	S BRAKE L SPRING MK7	0000 VM4 08556
B416	M BRAKE T SPRING MK7	0000 VM4 08588
B417	TENSION SPRING MK8	0000 VM4 09452
B418	TENSION PLATE MK8.	0000 VM4 09451
B419	BT ARM MK7	4835 402 97752
B420	REC ARM MK7.	4835 402 97754
B421	REC ARM SPRING MK6	000V M40 7708D
B425	LOCK LEVER SPRING MK7.	0000 VM4 08555
B426	KICK PULLEY MK6.	4835 528 87053
B427	KICK SPRING MK6.	0000 VM4 07701
B428	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B435	F BRAKE SPRING MK7	000V M40 8722A
B460	BT SPRING MK7.	0000 VM4 08551
B461	MAIN LEVER SPRING MK8.	0000 VM4 09494
B462	PRISM(L2) MK8.	4835 464 57482
B463	PRISM(R2) MK7.	4835 464 57481
B464	CASSETTE DR LEVER SUB ASSEMBLY MK7	4835 464 57445
B465	INSULATION COVER MK8	0000 VM3 03517
B468	SOFT SPRING A MK7.	0000 VM4 09214
B470	TAPE GUIDE ARM ASSEMBLY MK8.	4835 464 57485
B471	CASSETTE GUIDE R ASSEMBLY MK8.	4835 464 57487
B472	SLIDER R ASSEMBLY MK8.	4835 464 57488
B473	SLIDER L ASSEMBLY MK8.	4835 464 57489
B474	CASSETTE DR LEVER ASSEMBLY MK7	4835 402 97786
B475	BT ARM ASSEMBLY MK7.	4835 402 97787
B476	REC ARM ASSEMBLY MK7	4835 402 97788
L1051	SCREW, S-TIGHT M2.6X6 PAN HEAD +	0000 GPM S9060
L1053	SCREW PRISM MK7.	0000 VM4 09038
L1063	SCREW, S-TIGHT M2.6X4 PAN HEAD +	0000 GPM S9040
L1081	SCREW, S-TIGHT M3X6 BIND HEAD+	0000 GBM S3060
L1101	SCREW, P-TIGHT 3X10 BIND HEAD+	0000 GBM P3100
L1151	SCREW, SEMS M3X4 PAN HEAD +.	0000 CPM 33040
L1191	SCREW, P-TIGHT M2.6X12ohmASHER HEAD+	0000 GCM P9120
L1321	SCREW, P-TIGHT 3X8 BIND HEAD+.	0000 GBM P3080
L1341	SCREW, P-TIGHT M2.6X8 BIND HEAD+	0000 GBM P9080
L1342	SCREW, P-TIGHT M2.6X6 BIND HEAD+	0000 GBM P9060
L1402	SCREW, P-TIGHT M2X6ohmASHER HEAD+.	0000 GCM P2060
L1403	SCREW, P-TIGHT M3X10ohmASHER HEAD+	0000 GCM P3100
L1406	SCREW, S-TIGHT M2.6X4 CUP HEAD+.	0000 GCM S9040
L1407	SCREW, S-TIGHT M2.6X8 PAN HEAD +	0000 GPM S9080
L1450	SCREW, SEMS M2.6X5 PAN HEAD+	0000 CPM 39050
L1451	SCREW:SLIDER R MK7	0000 VM4 08853

Mode SW CBA (SWV)

	Mode SW CBA (SWV)	
B422	Mode SW CBA (SWV).	0000 VSA 09408
CL281	PARALLELohmIRE 2P AWG26/GREY/UL2651.	WX1N 800 2-001
R281	CARBON RES. 1/4W 3.6K ohm ‘2%.	4835 110 57373
R282	CARBON RES. 1/4W 1.5Kohm ‘2%	4835 110 57186
R283	CARBON RES. 1/4W 10Kohm ‘2%.	4835 110 57214
R284	CARBON RES. 1/4W 22Kohm ‘2%.	4835 110 57283
R285	CARBON RES. 1/4W 470 ohm ‘2%	4835 110 57167
SW281	MODE SWITCH HMW0420-910010	4835 276 17326

Main CBA

	Main CBA	
C001	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C002	ELECT 100mF/10V ±20%	4835 124 47323
C007	ELECT 22mF/16V ±20%.	4835 124 47175
C012	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C013	ELECT 1mF/50V ±20%	4835 124 47014
C032	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C040	CER CAP.(AX) 56pF/50V ±5% (SL)	4835 122 47053
C201	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C203	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C205	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C208	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C210	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C211	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C213	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C214	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C215	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C216	ELECT 1mF/50V ±20% H7.	4835 124 47045
C218	CER CAP.(AX) 10pF/50V ±5% (CH)	4835 122 47003
C219	CER CAP.(AX) 15pF/50V ±5% (CH)	4835 122 47085
C220	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C221	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C223	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C225	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C230	ELECT 47mF/16V ±20% H7	4835 124 47073
C231	ELECT 47mF/16V ±20% H7	4835 124 47073
C240	ELECT 22mF/16V ±20% H7	4835 124 47128
C241	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C242	CER CAP.(AX) 220pF/50V ±10% (B).	4835 122 47006
C243	ELECT 1mF/50V ±20% H7.	4835 124 47045
C244	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C245	CER CAP.(AX) 560pF/50V ±10% (B).	4835 122 47206
C250	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C251	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C252	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C253	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C256	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C258	ELECT 47mF/16V ±20%.	4835 124 47073
C259	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C264	CER CAP.(AX) 6800pF/16V ±10% (X)	4835 122 97078
C265	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C268	CER CAP.(AX) 100pF/50V ±10% (B).	4835 122 47014
C269	CER CAP.(AX) 100pF/50V ±10% (B).	4835 122 47014
C275	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C278	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C279	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C280	ELECT 22mF/16V ±20%.	4835 124 47175
C281	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C283	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C284	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C285	ELECT 22mF/16V ±20% H7	4835 124 47128
C286	ELECT 47mF/16V ±20% H7	4835 124 47073
C287	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214

S = Safety Part Be sure to use exact replacement part.

CCA194AT31 (continued)

C288	ELECT 22mF/16V ±20% LL H7.	4835 124 47175
C290	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C291	CER CAP.(AX) 0.01mF/16V ±10% (Y) . . .	4835 122 47552
C292	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C293	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C294	ELECT 22mF/16V ±20% H7	4835 124 47128
C296	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C299	ELECT 47mF/16V ±20% H7	4835 124 47073
C301	ELECT 22mF/16V ±20%.	4835 124 47175
C302	ELECT 100mF/10V ±20%	4835 124 47323
C303	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C304	ELECT 100mF/10V ±20%	4835 124 47323
C305	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C306	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C307	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C308	CER CAP.(AX) 330pF/50V ±10% (B). . . .	4835 122 47047
C309	ELECT 1mF/50V ±20%	4835 124 47014
C310	CER CAP.(AX) 0.018mF/6V ±20% (Y) . . .	4835 122 47693
C311	FILM CAP.(P) 0.0047mF/50V ±5% TV . . .	4835 121 47676
C321	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C322	ELECT 100mF/16V ±20% H7.	4835 124 47033
C323	CER CAP.(AX) 100pF/50V ±10% (B). . . .	4835 122 47014
C324	ELECT 2.2mF/50V ±20%	4835 124 47086
C325	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C326	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C328	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C329	ELECT 1mF/50V ±20% H7.	4835 124 47045
C330	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C331	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C332	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C333	CER CAP.(AX) 10mF/50V ±20%	4835 124 47202
C336	ELECT 1mF/50V ±20% LL.	4835 124 47305
C343	CER CAP.(AX) 3300pF/16V ±10% (X) . . .	4835 122 47475
C344	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C345	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C346	ELECT 10mF/50V ±20%.	4835 124 47202
C348	CER CAP.(AX) 0.015mF/6V ±20% (Y) . . .	4835 122 47675
C349	ELECT 0.47mF/50V ±20%.	4835 124 47155
C350	ELECT 1mF/50V ±20% H7.	4835 124 47045
C351	CER CAP.(AX) 0.022mF/6V +30% (Y) . . .	4835 122 47694
C354	CER CAP.(AX)0.01mF/25V +80/-20% (F). .	4835 125 17009
C355	ELECT 330mF/16V ±20%	4835 124 47008
C356	ELECT 220mF/10V ±20%	4835 124 47292
C357	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C362	ELECT 1mF/50V ±20% H7.	4835 124 47045
C370	ELECT 1mF/50V ±20%	4835 124 47014
C371	ELECT 0.47mF/50V ±20%.	4835 124 47155
C372	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C373	ELECT 0.33mF/50V ±20%.	4835 124 47544
C375	ELECT 0.1mF/50V ±20%	4835 124 47048
C376	CER CAP.(AX) 2200pF/16V ±10% (X) . . .	4835 122 47437
C378	ELECT 1mF/50V ±20% H7.	4835 124 47045
C385	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C386	CER CAP.(AX) 10pF/50V ±5% (SL)	4835 122 47003
C387	ELECT 0.47mF/50V ±20%.	4835 124 47155
C401	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C402	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C403	CER CAP.(AX) 0.012mF/6V ±20% (Y) . . .	4835 122 47692
C404	ELECT 10mF/16V ±20% H7	4835 124 47268
C405	ELECT 4.7mF/25V ±20% H7.	4835 124 47481
C406	CER CAP.(AX) 2700pF/16V ±10% (X) . . .	4835 122 47538
C407	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C408	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C410	ELECT 1mF/50V ±20% H7.	4835 124 47045
C411	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C412	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C414	CER CAP.(AX) 390pF/50V ±10% (B). . . .	4835 122 47041
C415	CER CAP.(AX) 18pF/50V ±5% (SL)	4835 122 47086
C416	CER CAP.(AX) 180pF/50V ±10% (B). . . .	4835 122 17015
C417	CER CAP.(AX) 22pF/50V ±5% (SL)	4835 122 37016
C418	ELECT 1mF/50V ±20% H7.	4835 124 47045
C420	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C421	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C422	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C423	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C425	ELECT 47mF/16V ±20% H7	4835 124 47073
C426	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C427	ELECT 0.1mF/50V ±20% H7.	4835 124 47048
C429	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C430	ELECT 10mF/16V ±20% H7	4835 124 47268
C431	ELECT 1mF/50V ±20% H7.	4835 124 47045
C432	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C433	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C434	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C435	ELECT 1mF/50V ±20% H7.	4835 124 47045
C436	ELECT 1mF/50V ±20% H7.	4835 124 47045
C437	ELECT 1mF/50V ±20% H7.	4835 124 47045
C438	ELECT 22mF/10V ±20% H7	4835 124 47307
C440	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C441	CER CAP.(AX) 820pF/50V ±10% (B). . . .	4835 122 47405
C443	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C444	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C445	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C447	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C448	ELECT 100mF/6.3V ±20% H7	4835 124 47263
C450	ELECT 1mF/50V ±20% H7.	4835 124 47045
C451	ELECT 2.2mF/50V ±20% H7.	4835 124 47049
C452	CER CAP.(AX) 5600pF/16V ±10% (X) . . .	4835 122 47486
C453	ELECT 1mF/50V ±20% H7.	4835 124 47045
C454	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C455	ELECT 0.47mF/50V ±20% H7	4835 124 47155
C456	ELECT 10mF/16V ±20% H7	4835 124 47268
C460	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C461	ELECT 0.1mF/50V ±20% H7.	4835 124 47048
C463	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C464	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C465	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C466	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C467	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C468	ELECT 33mF/6.3V ±20% H7.	4835 124 47169
C470	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C471	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C474	ELECT 1mF/50V ±20% H7.	4835 124 47045
C476	ELECT 4.7mF/25V ±20% H7.	4835 124 47481
C477	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C478	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C480	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C481	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C482	ELECT 22mF/16V ±20% H7	4835 124 47128
C483	CER CAP. 470pF/100V ±10% (B)	4835 122 47691
C484	FILM CAP.(P) 0.018mF/50V ±5% TV. . . .	4822 121 42701
C490	ELECT 10mF/16V ±20% H7	4835 124 47268
S C601	CER CAP. LB 680pF/2kV.	4835 122 47514
S C603	MYLAR CAP. 0.068mF/50V ±5% TV. . . .	4835 121 47677
C604	MYLAR CAP. 0.068mF/50V ±5% TV. . . .	4835 121 47677
S C605	FILM CAP.(MP) 0.1mF/250V ±20%. . . .	4835 121 47025
C606	FILM CAP.(P) 0.018mF/50V ±5% TV. . . .	4822 121 42701
C607	FILM CAP.(P) 0.022mF/50V ±5% TV. . . .	4835 121 47263
C608	FILM CAP.(P) 0.1mF/50V ±5% TV. . . .	4835 122 47451
S C609	ELECT 220mF/200V(LK TYPE).	4835 124 47022
C610	CER CAP. 0.01mF/AC250V	4835 122 47502
C611	CER CAP. 0.01mF/AC250V	4835 122 47502
S C612	CER CAP. 0.01mF/AC250V	4835 122 47502
S C613	CER CAP. 0.01mF/AC250V	4835 122 47502
S C614	CER CAP. 0.01mF ±1% (CS)	4835 125 97008
S C615	CER CAP. 0.01mF ±1% (CS).	4835 125 97008
C618	PCB JUMPER D0.6-P10.0.	0000 0JW 10.0T
C620	ELECT 470mF/35V ±20%	4835 124 47069
C621	ELECT 47mF/16V ±20%.	4835 124 47073
S C622	ELECT 100mF/160V ±20%ohm/F	4822 124 22663
S C623	ELECT 470mF/16V ±20%	4835 124 47286
S C624	ELECT 470mF/16V ±20%	4835 124 47286
C625	ELECT 1000mF/16V ±20%.	4835 124 47005
C626	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C627	CER CAP. 0.01mF/50V +80/-20% (F) . . .	4835 122 37011
S C628	CER CAP. 470pF/2kV LB.	4835 122 47642
C629	ELECT 1mF/50V ±20%	4835 124 47014
C630	ELECT 10mF/50V ±20%.	4835 124 47202
C632	ELECT 220mF/6.3V ±20%.	4835 124 47168
C633	ELECT 100mF/16V ±20%	4835 124 47033
C634	ELECT 100mF/16V ±20%	4835 124 47033
C635	ELECT 47mF/16V ±20% H7	4835 124 47073
C636	ELECT 100mF/16V ±20%	4835 124 47033
C637	ELECT 47mF/16V ±20% H7	4835 124 47073
C638	ELECT 1mF/50V ±20%	4835 124 47014
C639	ELECT 22mF/50V ±20%.	4835 124 47051
C801	SEMI CAP 0.033mF/25V ±10%.	4835 122 47288
C802	ELECT 0.47mF/50V ±20%.	4835 124 47155
C803	ELECT 47mF/10V ±20%.	4835 124 47242
C805	ELECT 330mF/16V ±20%	4835 124 47008
C807	ELECT 1000mF/16V ±20%.	4835 124 47005
C808	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C809	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
CN202	CONNECTOR 8P TMC-J08P-A1	J3TM A08 TG002
CN301	CONNECTOR BASE 7P TUC-P07P-B1.	J3TU A07 TG001
CN303	CONNECTOR BASE 7P TUC-P07P-B1.	J3TU A07 TG001
CN304	CONNECTOR BASE 5P TUC-P05P-B1.	J3TU A05 TG001
CN471	FFC CONNECTOR BASE TOP 6P 9604S-06C. .	JC04 J06 ER002
CN601	CONNECTOR BASE 2P TV-50P-02-V1	J3RT C02 TG001
CN602	CONNECTOR BASE 6P TUC-P06P-B1.	J3TU A06 TG001
CN801	STRAIGHT CONNECTOR BASE.	J383 C02 UG002
CN851	FFC CONNECTOR BASE TOP 17P 9604S-17C .	JC04 J17 ER002
CN852	CABLE CONNECTOR 2P TMC-E02X-A1	4835 263 97018
D201	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D205	ZENER DIODE MTZJT-776.2B	4835 130 37593
D206	ZENER DIODE MTZJT-775.6B	4835 130 37329
D209	LED SIR-56ST3F-M	4835 130 87154
D211	LED LTL-4214M1	4835 130 87149
D214	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D215	ZENER DIODE MTZJT-776.8B	4835 130 37881
D216	ZENER DIODE MTZJT-775.6B	4835 130 37329
D217	ZENER DIODE MTZJT-775.6B	4835 130 37329
D218	ZENER DIODE MTZJT-776.2B	4835 130 37593
D219	SWITCHING DIODE 1SS133(T-77)	4835 130 37235

S = Safety Part Be sure to use exact replacement part.

CCA194AT31 (continued)

	D220	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D221	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D222	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D224	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D225	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D226	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D227	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D228	ZENER DIODE MTZJT-775.6C	4835 130 37329
	D271	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D301	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D302	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D303	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D304	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D305	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D307	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D308	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D310	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D311	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D312	ZENER DIODE MTZJT-776.8B	4835 130 37881
	D321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D323	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D324	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D325	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D371	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D401	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D441	ZENER DIODE MTZJT-775.6B	4835 130 37329
S	D602	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D603	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D604	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D605	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D606	ZENER DIODE MTZJT-7720C.	4835 130 37983
S	D610	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D611	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D612	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D613	RECTIFIER DIODE ERB12-06	4835 130 37897
S	D614	ZENER DIODE MTZJT-776.8B	4835 130 37881
S	D615	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D616	RECTIFIER DIODE 1ZC30.	4835 130 37982
S	D617	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D618	SCHOTTKY BARRIER DIODE ERA81-004	4835 130 37211
S	D619	SCHOTTKY BARRIER DIODE ERA81-004	4835 130 37211
	D620	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D621	FAST RECOVERY DIODE ERC25-06	4835 130 37898
	D623	FILM CAP.(P) 0.01mF/50V ±5% TV	4835 121 47461
	D626	ZENER DIODE MTZJT-7736A.	4835 130 37785
S	D627	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D629	CARBON RES. 1/4W ±5% 8.2kohm.	4835 110 57264
S	D630	ZENER DIODE MTZJT-776.8A	4835 130 37971
	D631	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D632	ZENER DIODE MTZJT-779.1A	4835 130 37506
	D633	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D634	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D635	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D636	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D637	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D638	ZENER DIODE MTZJT-775.6A	4835 130 37329
S	D640	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D641	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D642	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D643	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D644	ZENER DIODE MTZJT-772.2B	4835 130 37961
S	D645	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D646	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D647	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D648	ZENER DIODE MTZJT-776.2A	4835 130 37959
	D649	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D650	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D651	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D652	ZENER DIODE MTZJT-7720B.	4835 130 37965
	D653	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D654	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D655	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D801	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D810	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D811	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D850	ZENER DIODE MTZJT-775.6B	4835 130 37329
	J146	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	IC201	MICROCOMPUTER 16BIT M37760MCA8A5GP	4835 209 17635
	IC202	EEPROM IC M24C04-MN6	4835 209 47444
	IC203	IC:RESET BMR-0101C	4835 209 47438
S	IC204	IC BA6955N	4835 209 47404
	IC207	IC:OP-AMP. LM324N.	4835 209 87763
S	IC301	IC:CHROMA/IF 1 CHIP M52772FP	4835 209 47435
	IC401	IC:Y/C/A LA71077M.	4835 209 47439
S	IC601	PHOTOCOUPLER LTV-817B-F.	4835 130 37977
S	IC602	IC:VOLTAGE REGULATOR 5V KIA7805PI.	4835 209 88129
S	IC801	IC TDA7231A.	4835 209 88115
	J098	INDUCTOR 2.2mH-J-26T	4835 157 57639
	L001	INDUCTOR 100mH-J-5FT	4835 157 57798
	L002	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L040	INDUCTOR 18mH-K-26T.	4835 157 57371
	L201	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L246	INDUCTOR 0.1mH-M-26T	4835 157 58236
	L303	INDUCTOR 10mH-J-26T.	4835 157 57643
	L321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L361	INDUCTOR 12mH-J-26T.	4835 157 58071
	L362	INDUCTOR 18mH-K-26T.	4835 157 57371
	L422	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L423	INDUCTOR 100mH-J-26T	4835 157 57644
	L424	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L441	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L442	INDUCTOR 100mH-J-26T	4835 157 57644
	L470	INDUCTOR 22mH-J-26T.	4835 157 57641
	L481	INDUCTOR 47mH-K-5FT.	4835 157 57375
S	L601	LINE FILTER 5.0mH 6Y075.	4835 154 97202
	L602	CHOKE COIL 47mH-K.	4835 157 58208
	Q201	RESET KTC3199(GR).	4835 130 47914
	Q202	PHOTO TRANSISTOR ST-319R2-B.	4835 130 48138
	Q203	PHOTO TRANSISTOR ST-319R2-B.	4835 130 48138
	Q204	PHOTO TRANSISTOR ST-319R2-B.	4835 130 48138
	Q210	SWITCHING KTC3199(GR).	4835 130 47914
	Q309	BUFFER KTC3199(GR)	4835 130 47914
	Q310	BUFFER 2SA1317(U).	4835 130 47422
	Q311	SWITCHING 2SC3468(D)-AE.	4835 130 47981
	Q312	SWITCHING KTC3199(GR).	4835 130 47914
	Q313	BUFFER KTC3199(GR)	4835 130 47914
	Q314	AMP KTC3199(GR).	4835 130 47914
	Q315	AMP KTC3199(GR).	4835 130 47914
	Q422	SWITCHING 2SA1317(U)	4835 130 47422
	Q431	AMP 2SA1317(U)	4835 130 47422
	Q441	BUFFER KTC3199(GR)	4835 130 47914
	Q481	SWITCHING 2SA1317(U)	4835 130 47422
	Q482	BIAS OSC 2SC2120-O(TPE2)	4835 130 47756
	Q483	SWITCHING 2SC3331(T)	4835 130 47549
	Q484	SWITCHING 2SC3331(T)	4835 130 47549
	Q485	TRANSISTOR 2SB698 (F).	4835 130 47915
S	Q601	LIMITER MOS FET 2SK2079-01MR	4835 130 48164
S	Q602	SWITCHING 2SC2120-O(TPE2).	4835 130 47756
S	Q605	FEED BACK KTC3199(GR).	4835 130 47914
	Q609	SWITCHING KTC3199(GR).	4835 130 47914
S	Q610	SWITCHING 2SB698(G).	4835 130 47915
	Q611	SWITCHING KTC3199(GR).	4835 130 47914
	Q612	SWITCHING KTC3199(GR).	4835 130 47914
S	Q615	+5V REGULATOR KTC3199(GR).	4835 130 47914
S	Q616	+9V REGULATOR KTC3199(GR).	4835 130 47914
S	Q617	+5V REGULATOR 2SD400 (F)	4835 130 47433
S	Q618	+5V REGULATOR KTC3199(GR).	4835 130 47914
S	Q619	+5V REGULATOR KTC3199(GR).	4835 130 47914
	Q801	SWITCHING KTC3199(GR).	4835 130 47914
	J262	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	J567	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
	R001	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R002	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R003	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R011	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R012	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R030	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R031	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R100	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R101	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R102	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R103	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R104	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R105	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R106	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R107	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R108	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R109	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R110	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R201	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R202	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R203	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R205	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R206	CARBON RES. 1/4W ±5% 820kohm	4835 110 57344
	R207	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R208	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R209	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053
	R215	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R217	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R218	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R219	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R220	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R221	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R222	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R223	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R224	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R225	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R226	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R227	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R228	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R229	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R231	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R233	CARBON RES. 1/4W ±5% 10Mohm.	4835 110 57288
	R234	CARBON RES. 1/4W ±5% 470kohm	4835 110 57225

S = Safety Part Be sure to use exact replacement part.

CCA194AT31 (continued)

	R239	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R240	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R241	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R242	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R243	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R244	CARBON RES. 1/4W ±5% 1Mohm	4835 110 57272
	R245	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R246	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R248	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R249	CARBON RES. 1/4W ±5% 68kohm.	4835 110 57168
	R250	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R251	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R252	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R253	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R254	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R255	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R256	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R257	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R258	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R259	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R260	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S	R265	METAL RESISTOR 1W ±5% 2.7ohm	4835 116 57346
	R266	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R267	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R268	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R269	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
	R270	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
	R271	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R273	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053
	R274	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R275	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R276	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R277	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R278	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R280	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R281	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R282	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R283	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R284	CARBON RES. 1/4W ±5% 39kohm.	4835 110 57262
	R285	CARBON RES. 1/4W ±5% 220kohm	4835 110 57208
	R286	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R287	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R288	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R289	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R291	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R292	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R293	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R296	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R301	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R302	CARBON RES. 1/4W ±5% 390kohm	4835 110 57263
	R303	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R304	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R305	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R306	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R307	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R309	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R311	CARBON RES. 1/4W ±5% 390kohm	4835 110 57263
	R314	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R316	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R317	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
	R320	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R321	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R323	CARBON RES. 1/4W ±5% 330kohm	4835 110 57197
	R324	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
	R325	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R326	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R327	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R328	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R329	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R330	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R331	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R332	CARBON RES. 1/4W ±5% 27kohm.	4835 111 37182
	R333	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R334	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R335	CARBON RES. 1/4W ±5% 22ohm	4835 110 57036
	R337	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R338	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R343	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R344	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R347	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R348	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R350	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R352	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R354	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R355	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R363	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R366	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R367	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R368	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R369	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R371	CARBON RES. 1/4W ±5% 10Mohm.	4835 110 57288
	R374	CARBON RES. 1/4W ±5% 470kohm	4835 110 57225
	R375	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R376	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R377	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R378	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R379	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R380	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R381	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R382	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R383	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R384	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R386	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R387	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R388	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R394	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R395	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R401	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R402	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R403	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R404	CARBON RES. 1/4W ±5% 330kohm	4835 110 57197
	R405	CARBON RES. 1/4W ±5% 120ohm.	4835 110 57217
	R406	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
	R407	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R410	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R411	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R413	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R414	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R415	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R416	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R417	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R419	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R422	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R423	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R424	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R425	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R426	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R427	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R428	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R429	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R430	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R432	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R433	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R434	CARBON RES. 1/4W ±5% 3.3Mohm	4835 110 57047
	R435	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R436	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R437	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R438	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R439	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R440	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R441	CARBON RES. 1/4W ±5% 180ohm.	4835 110 57219
	R442	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
	R443	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R444	CARBON RES. 1/4W ±5% 820kohm	4835 110 57344
	R445	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R447	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R450	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R451	CARBON RES. 1/4W ±5% 27kohm.	4835 111 37182
	R452	CARBON RES. 1/4W ±5% 2.2Mohm	4835 110 57039
	R453	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R454	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R460	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R461	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R462	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R464	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R465	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R466	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R467	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R468	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R469	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R480	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R481	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R482	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R483	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R484	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R485	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R486	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R487	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R499	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R601	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
	R602	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
S	R604	METAL RES. 2W ±5% 0.22ohm.	4835 116 57572
S	R605	CEMENT RESISTOR 5W ±10% 1.2ohm	4835 113 87008
S	R605	CEMENT RESISTOR 5W ±10% 1.2ohm	4835 113 87008
S	R606	CARBON RES. 1/2W ±5% 3.3Mohm	4835 110 47117
S	R607	METAL RESISTOR 2W ±5% 220ohm.	4835 116 57792
S	R608	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
S	R609	METAL RESISTOR 2W ±5% 220ohm	4835 116 57792
	R611	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R612	CARBON RES. 1/4W ±5% 3.9ohm.	4835 110 57281
	R613	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R614	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R615	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R616	PCB JUMPER D0.6-P5.0	0000 00J W5.0T

S = Safety Part Be sure to use exact replacement part.

CCA194AT31 (continued)

	R619	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R625	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
S	R626	CARBON RES. 1/4W ±5% 12ohm	4835 110 57252
S	R627	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
S	R628	METAL RESISTOR 2W ±5% 68ohm.	4835 116 57573
S	R629	METAL RESISTOR 2W ±5% 68ohm.	4835 116 57573
S	R630	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
S	R631	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
S	R635	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R640	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
S	R641	CEMENT RES. 5W 3.9kohm H=25MM.	4835 113 87021
	R642	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R643	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
S	R644	METAL RESISTOR 2W ±5% 6.8kohm.	4835 116 67303
	R645	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
S	R646	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
S	R647	CARBON RES. 1/4W ±5% 39kohm.	4835 110 57262
S	R648	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
S	R649	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
S	R650	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
S	R651	METAL RESISTOR 2W ±5% 560ohm	4835 116 57123
	R652	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R653	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R654	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
S	R655	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R656	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R657	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R658	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R660	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R661	CARBON RES. 1/4W ±5% 220kohm	4835 110 57208
	R662	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R663	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S	R665	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
S	R666	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S	R667	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S	R668	CARBON RES. 1/2W ±5% 15ohm	4835 110 47063
	R669	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R670	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R671	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R672	METAL RES. 2W ±5% 12ohm.	4835 116 57075
	R673	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
	R674	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R675	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R701	CARBON RES. 1/4W ±5% 75ohm	4835 110 57056
	R702	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R703	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R801	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R803	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R805	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R806	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
S	R807	METAL RESISTOR 1W ±5% 12ohm.	4835 116 57639
S	R808	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R809	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R810	CARBON RES. RD 1/2W ±5% 120ohm	4835 110 57255
	R811	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
	R812	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	SW101	TACT SWITCH SKQSAB	4835 276 17331
	SW102	TACT SWITCH SKQSAB	4835 276 17331
	SW103	TACT SWITCH SKQSAB	4835 276 17331
	SW104	TACT SWITCH SKQSAB	4835 276 17331
	SW105	TACT SWITCH SKQSAB	4835 276 17331
	SW106	TACT SWITCH SKQSAB	4835 276 17331
	SW107	TACT SWITCH SKQSAB	4835 276 17331
	SW108	TACT SWITCH SKQSAB	4835 276 17331
	SW109	TACT SWITCH SKQSAB	4835 276 17331
	SW110	TACT SWITCH SKQSAB	4835 276 17331
	SW201	PUSH SWITCH SPPB61066A	4835 276 17213
	T301	VCO COIL KHI-821023.	4835 140 67127
S	T601	SWITCHING TRANS S1729F	4835 148 87374
S	VR601	CARBON P.O.T. 10kohm B	4835 100 97516
	X201	CRYSTAL OSCILLATOR HC-49/U	4835 242 77326
	X202	CRYSTAL OSCILLATOR 32kHz(10PPM).	4835 242 77091
	X301	CER RESONATOR CSB503F18.	4835 242 77226
	X321	CRYSTAL OSCILLATOR 3.579545 MHz.	4835 242 77308
	X401	CRYSTAL OSCILLATOR 3.579545MHz	4835 242 77093
	BC601	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC602	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC603	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC605	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC607	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC608	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC609	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	CF301	CER FILTER SFSH4.5MCB.	4835 153 97029
	CF302	CER TRAP TPS4.5MB2	4835 153 97048
S	F601	FUSE TDS4A125VU/C.	4835 253 97153
	FH601	FUSE HOLDER MSF-015.	XH01 Z00 LY001
	FH602	FUSE HOLDER MSF-015.	XH01 Z00 LY001
	JK701	RCA JACK(YELLOW) RJ-1066-04-1030	4835 265 97402
	JK702	RCA JACK(WHITE) RJ-1066-03-1030.	4835 265 97401
	JK801	EARPHONE JACK HSJ1403-01-010	4835 265 97306
S	PS601	POSISTOR ZPB58BL7R0F	4835 100 97281
	RS201	REMOTE RECEIVER PIC-26042LU.	4835 210 27058
S	SA601	SURGE ABSORBER JVR-07N471K	4835 252 27024
	SF003	SAW FILTER TSF5229P.	4835 153 97062
S	SG601	GAP. G3.10D.	4835 252 27023
S	SG601	GAP.ohmSG-R-3.10	4835 252 27023
	TU001	TUNER UNIT TEDH9-002A.	4835 210 47107
S	W601	AC CORD 9806190.	4835 321 17101

MUT CBA

	MUT CBA	
	MUT CBA.	0000 ESA 02871

H.V. CBA

		H.V. CBA	
	C552	FILM CAP.(P) 0.1mF/50V ±5% TV.	4835 122 47451
	C553	ELECT 2.2mF/50V ±20% LL.	4835 124 47183
	C554	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	C555	ELECT 47mF/35V ±20%.	4835 124 97066
	C556	ELECT 1000mF/25V ±20%.	4835 124 47007
	C558	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
	C559	ELECT 100mF/35V ±20%	4835 124 47233
	C560	FILM CAP.(P) 0.027mF/50V ±5% TV.	4835 121 47576
S	C572	P.P. CAP. 0.39mF/200V ±5%.	4835 121 47667
S	C574	ELECT 4.7mF/250V	4835 124 47465
	C577	MYLAR CAP. 0.01mF/50V ±5% TV	4835 121 47461
	C578	ELECT 47mF/35V ±20%.	4835 124 97066
S	C580	METAL FILM. 0.01mF/1.6kV ±5%	4835 121 47622
	C584	ELECT 1mF/160V ±20%.	4835 124 47516
S	C591	ELECT 1mF/50V ±20%	4835 124 47014
S	C592	ELECT 47mF/35V ±20%.	4835 124 97066
	C594	ELECT 10mF/160V ±20%	4835 124 47742
	CN571	CONNECTOR BASE 5P.	0000 017 30813
	D552	RECTIFIER DIODE ERA15-02	4835 130 37515
	D555	ZENER DIODE MTZJT-7720B.	4835 130 37965
S	D571	FAST RECOVERY DIODE ERB44-02	4835 130 37944
S	D572	RECTIFIER DIODE ERA22-02	4835 130 37788
	D573	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	D584	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D585	ZENER DIODE MTZJT-776.2B	4835 130 37593
S	D591	ZENER DIODE MTZJT-7736B.	4835 130 37785
	D595	ZENER DIODE MTZJT-7720B.	4835 130 37965
	D595	ZENER DIODE MTZJT-7720B.	4835 130 37965
S	D597	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D598	RECTIFIER DIODE ERA22-02	4835 130 37788
S	IC551	IC LA7840.	4835 209 47437
S	L572	INDUCTOR 33mH-J-26T.	4835 157 57373
	Q541	BEAD INDUCTOR FBA04HA600VB-00.	LLBF 00S TU026
	Q551	SWITCHING KTC3199(GR).	4835 130 47914
	Q552	SWITCHING KTC3199(GR).	4835 130 47914
S	Q571	H-OUTPUT TT2024-YB	4835 130 48165
S	Q572	H-DR 2SC1627Y-TPE2	4835 130 48141
S	Q591	SWITCHING KTC3199(GR).	4835 130 47914
	J567	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
	R542	PCB JUMPER D0.6-P12.5.	0000 0JW 12.5T
	R551	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
S	R552	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R553	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R554	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R555	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R556	CARBON RES. 1/4W ±5% 4.7ohm.	4835 110 57212
	R557	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R558	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R559	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R560	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R561	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R562	CARBON RES. 1/4W ±5% 3.3ohm.	4835 110 57026
	R563	CARBON RES. 1/4W ±5% 3.3ohm.	4835 110 57026
S	R566	PCB JUMPER D0.6-P7.5	0000 00J W7.5T
	R572	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R573	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S	R574	METAL RESISTOR 2W ±5% 1kohm.	4835 116 57057
S	R575	METAL RESISTOR 2W ±5% 1kohm.	4835 116 57057
	R576	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R577	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R580	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
S	R581	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
S	R582	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
S	R583	METAL RESISTOR 2W ±5% 1.5ohm	4835 110 27004
S	R584	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R585	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R586	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R587	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R588	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R589	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
S	R591	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
S	R592	CARBON RES. 1/4W ±5% 180kohm	4835 110 57259
S	R593	CARBON RES. 1/4W ±5% 68kohm.	4835 110 57168
S	R594	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R596	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R597	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
S	R598	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
S	R599	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
S	T571	FLYBACK TRANS FCA169	4835 140 67195

S = Safety Part Be sure to use exact replacement part.

CCA194AT31 (continued)

S T572	HORIZONTAL DR TRANS LP2-003.	4835 140	17006
BC571	BEAD INDUCTOR FBA04HA600VB-00.	LLBF 00S	TU026
DB2	19V H.V. HEAT SINK(PDQ).	0000 EM4	04776
DB3	WASHER 12X3.2XT1	0000 0WP	M3121
DL1	SCREW P-TIGHT 3X10 BIND HEAD	0000 GBU	P3100
DL2	SCREW B-TIGHT 3X8 BIND HEAD+	0000 GBM	B3080
WH501A	WIRE HOLDER 3P HWT0200-03.	XW0H T03	C7001
WH502A	WIRE HOLDER 6P HWT0200-06.	XW0H T06	C7001
WH503A	WIRE HOLDER 7P HWT0200-07.	XW0H T07	C7001
WH504A	WIRE HOLDER 5P HWT0200-05.	XW0H T05	C7001

CRT CBA

	CRT CBA		
C504	ELECT 47mF/16V ±20%.	4835 124	47073
C507	ELECT 1mF/50V ±20%	4835 124	47014
C510	CER CAP. 1000pF/2kV ±10% (B)	4835 122	37048
CN501	CONNECTOR PIN 1P LV.	0000 017	00576
D501	SWITCHING DIODE 1SS133(T-77)	4835 130	37235
D502	SWITCHING DIODE 1SS133(T-77)	4835 130	37235
D503	SWITCHING DIODE 1SS133(T-77)	4835 130	37235
L501	INDUCTOR 180mH-J	4835 157	58227
Q501	RED AMP 2SC2482 TPE6	4835 130	48046
Q502	GREEN AMP 2SC2482 TPE6	4835 130	48046
Q503	BLUE AMP 2SC2482 TPE6.	4835 130	48046
S R501	METAL RESISTOR 1W ±5% 15kohm	4835 116	87019
S R502	METAL RESISTOR 1W ±5% 15kohm	4835 116	87019
S R503	METAL RESISTOR 1W ±5% 15kohm	4835 116	87019
R506	CARBON RES. 1/4W ±5% 1.5kohm	4835 110	57186
R507	CARBON RES. 1/4W ±5% 1.5kohm	4835 110	57186
R508	CARBON RES. 1/4W ±5% 1.5kohm	4835 110	57186
R511	CARBON RES. 1/4W ±5% 10kohm.	4835 110	57026
R512	CARBON RES. 1/4W ±5% 10kohm.	4835 110	57026
R513	CARBON RES. 1/4W ±5% 10kohm.	4835 110	57026
R514	CARBON RES. 1/4W ±5% 1.5kohm	4835 110	57186
R516	CARBON RES. 1/4W ±5% 15ohm	4835 110	57177
R517	CARBON RES. 1/4W ±5% 680ohm.	4835 110	57054
R518	CARBON RES. 1/4W ±5% 15ohm	4835 110	57177
R519	CARBON RES. 1/4W ±5% 680ohm.	4835 110	57054
R520	CARBON RES. 1/4W ±5% 15ohm	4835 110	57177
R521	CARBON RES. 1/4W ±5% 680ohm.	4835 110	57054
R531	CARBON RES. 1/4W ±5% 100kohm	4835 110	57185
R532	CARBON RES. 1/4W ±5% 100kohm	4835 110	57185
R534	CARBON RES. 1/4W ±5% 1.5kohm	4835 110	57186
R535	CARBON RES. 1/4W ±5% 1.5kohm	4835 110	57186
R536	CARBON RES. 1/4W ±5% 100kohm	4835 110	57185
CL501A	LEADohmIRE 3P 400MM.	WX1T 700	0-001
CL502A	LEADohmIRE 6P 430MM.	WX1T 700	0-003
CL503A	LEADohmIRE 7P 560MM.	WX1T 700	0-004
CL504A	LEADohmIRE 5P 320MM.	WX1T 700	0-002
S JK501	CRT SOCKET ISHS40S	4835 265	97454
WH501B	WIRE HOLDER 3P HWT0200-03.	XW0H T03	C7001
WH502B	WIRE HOLDER 6P HWT0200-06.	XW0H T06	C7001
WH503B	WIRE HOLDER 7P HWT0200-07.	XW0H T07	C7001
WH504B	WIRE HOLDER 5P HWT0200-05.	XW0H T05	C7001

Remote Locator CBA

	Remote Locator CBA		
	Remote Locator CBA	0000 ESA	03014
C831	CER CAP.(AX) 1000pF/50V ±10% (B). . .	4835 122	47215
C832	ELECT 10mF/16V ±20%.	4835 124	47268
C833	CER CAP.(AX) 1000pF/50V ±10% (B). . .	4835 122	47215
C835	CER CAP.(AX) 4.7pF/50V ±10% (CH). . .	4835 122	47052
C836	CER CAP.(AX) 2.7pF/50V ±10% (CH). . .	4835 122	47684
C837	CER CAP.(AX) 1000pF/50V ±10% (B). . .	4835 122	47215
C838	CER CAP.(AX) 2200pF/16V ±20% (X). . .	4835 124	47006
C839	CER CAP.(AX) 10pF/50V ±5% (CH). . . .	4835 122	47003
C840	CER CAP.(AX) 2.2pF/50V ±5% (UJ) . . .	4835 122	47578
C841	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122	47162
CN831	CONECTOR 3P(2.0MM PITCH)TKX-P03P-C1. .	J3TX C03	TG001
CN832	CONECTOR 3P(2.0MM PITCH)TKX-P03P-C1. .	J3TX C03	TG001
D831	ZENER DIODE MTZJT-779.1B	4835 130	37506
L832	INDUCTOR 330mH-K-26T	4835 157	57663
L833	INDUCTOR 330mH-K-26T	4835 157	57663
Q831	OSCILLATOR 2SC3777(D).	4835 130	48085
R831	CARBON RES. 1/6W ±5% 150ohm.	4835 111	37167
R832	CARBON RES. 1/6W ±5% 10kohm.	4835 111	37163
R833	CARBON RES. 1/6W ±5% 3.3kohm	4835 111	37185
R834	CARBON RES. 1/6W ±5% 1.8kohm	4835 111	37172
TC831	TRIMMER CAP. 7P.	4835 125	97021

Junction A CBA

	Junction A CBA		
CN504	CONNECTOR 5P TUC-P05X-B1	JCTU S05	TG001

Junction B CBA

	Junction B CBA		
CN502	CONNECTOR 6P TUC-P06X-B1	JCTU S06	TG001
CN503	CONNECTOR 7P TUC-P07X-B1	JCTU S07	TG001

Chassis Electrical Parts

	Chassis Electrical Parts		
CL802	WIRE ASSEMBLY 2P/150	WX1B 590	0-001

S = Safety Part Be sure to use exact replacement part.

S DG601	DEGAUSSING COIL F-015.	4835 157	97055
SP801	SPEAKER S08F02B.	4835 240	17019
S V501	CRT PCEC:003502013301.	4835 131	27162
S DY	DEFLECTION YOKE PCEC:003502013602. . .	4835 150	17167

MECHANICAL PARTS

	MECHANICAL PARTS		
A1- 1	FRONT CABINET.	4835 443	47568
A1- 2	CONTROL PLATE.	4835 443	67468
A1- 4	CASSETTE DOOR.	4835 443	67466
A1- 6	CLOTH(4X7XT0.7).	0000 EM4	04974
A 2	REAR CABINET	4835 443	47604
S A 3	RATING LABEL	0000 EM4	04860
B 2	CRT MOUNTING SCREW PCEC:00103817-1820.	0000 EMN	01296
S B 4	DEGAUSS HOLDER PCEC:00645991-0009. . .	0000 EMN	01294
S DB 1	H/V PCB HOLDER T5000UA	0000 EM2	00987
S DB 4	19V CHASSIS NO.LABEL DJ.	0000 EM4	04738
L 1	SCREW M4X18 PCEC:00103371-1809	0000 EMN	01297
L 4	SCREW ASSEMBLED 12:M3X14	0000 EM4	04416
S 1	CARTON T7064UQ	0000 EM4	04866
S 2	STYROFOAM TOP.	0000 EM0	00319
S 3	STYROFOAM BOTTOM	0000 EM0	00320
S 4	SERIAL NO. LABEL(P).	0000 EM4	04103
S 6	SET SHEET :1000X1700	0000 EM4	02178
S 14	TVCR HOLD PAD(MEX)	0000 EM4	04940
TB 1	TRAY CHASSIS	000E M00	0302H
TB 2	TOP SHIELD	0000 EM2	00995
TB 2	TOP SHIELD	000E M20	0995A
TB 3	HEAD SHIELD.	0000 EM3	01241
TB 5	BUSH LED(E).	0000 VM4	08832
TB 6	SPEAKER HOLDER	4835 256	37015
TB 7	19V POW HEAT SINK PDM ASSEMBLY	0000 EM4	04719
S TB 8	CRITICAL PARTSohmARNING LABEL PCEC00350		
	201590	0000 024	LH199
TB 9	BOTTOM SHIELD.	0000 EM3	01132
TB 11	REMORT HOLDER.	4835 256	97345
TB 13	RCA HOLDER	0000 EM4	04220
S TB 14	19V CHASSIS NO. LABEL TJ T7000UA . . .	0000 EM4	04739
TB 16	BUSH LED(D).	0000 VM4	08655
TB 18	WASHER(D8)	0000 VM4	08931
TB 20	CLOTH 10X30XT0.5	0000 EM4	04486
TL 1	SCREW P-TIGHT 3X12ohmASHER HEAD+ . . .	0000 GCM	P3120
TL 1	SCREW P-TIGHT 3X12ohmASHER HEAD+ . . .	0000 GCM	P3120
TL 3	SCREW B-TIGHT 3X8 BIND HEAD+	0000 GBM	B3080
TL 4	SCREW S-TIGHT 3X4 BIND HEAD+	0000 GBM	S3040
TL 8	SCREW B-TIGHT M3X25 BIND HEAD+	0000 GBM	B3250
TL 9	SCREW P-TIGHT 3X12ohmASHER HEAD+ . . .	0000 GCM	P3120
X 1	POLYETHYLENE BAG PCEC:645560-0003. . .	0000 EMN	01300
S X 2	OWNERS MANUAL T7064UQ.	00IB 813	4E001
X 8	REGISTRATION CARD PCEC:00EL6192E001. .	0000 EMN	01302
B480	CLEANER ASSEMBLY MK7 (CONSISTS OF B359,		
	B360, B361).	4835 464	57451
B359	CLEANER LEVER MK7.	4835 402	97759
B360	CLEAN ROLLER MK4	4835 464	57363
B361	CLEAN BEARING MK4.	4835 464	57364

Cabinet Parts

	Cabinet Parts		

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DECK PARTS

	DECK PARTS	
2B6	DECK EARTH PLATE U17	0000 VM4 08662
2L051	SCREW, S-TIGHT M3X5 BIND HEAD+	0000 GBM S3050
B1	CHASSIS ASSEMBLY MK8	0000 VSA 09370
B2	CYLINDER ASSEMBLY(MK8) NTSC 2HD SQPB	4835 691 27306
B3	LOAD MTR ASSEMBLY MK7.	4835 361 27157
B4	MTR HOLDER MK8	4835 256 97343
B8	PULLEY ASSEMBLY MK6.	4835 528 87052
B9	MOVING GUIDE S PREPARATION MK7	4835 402 97757
B10	MOVING GUIDE T PREPARATION MK7	4835 402 97758
B11	LOAD ARM T ASSEMBLY MK7.	4835 464 57446
B12	LOAD ARM S ASSEMBLY MK8.	4835 464 57497
B13	LOAD LEVER ASSEMBLY MK7.	4835 464 57443
B15	LUMIRROhmASHER 3.1X6X0.35.	0000 VM4 03269
B21	LOAD BELT MK6.	4835 358 37149
B27	TENSION LEVER ASSEMBLY MK8	4835 464 57494
B31	AC HEAD ASSEMBLY MK7	4835 249 17013
B32	REEL(T) MK8.	4835 528 17048
B35	TAPE GUIDE ASSEMBLY MK8.	4835 464 57486
B37	CAPSTAN MTR F2QTB36.	4835 361 27158
B38	MODE LEVER MK8	4835 402 97798
B46	TAPE GUIDE ARM SPRING MK6.	000V M40 7704C
B47	ADJUST SCREW M2.6X6(SOD)	0000 VM4 09436
B51	FF ARM MK8	4835 402 97803
B52	CAPSTAN BELT(2) MK6.	4835 358 37148
B53	REEL P.S.W MK8	4835 528 17049
B73	FE HEAD(MK7) HVFHP0019A.	4835 249 17011
B74	PRISM MK8.	4835 464 57479
B81	M LEVER HOLDER MK7	4835 256 97336
B108	P.S.W F.	000V M40 2629A
B121	WORM MK6	4835 522 37344
B122	P.S.W C.	0000 VM4 02626
B123	P.S.W (WORM THRUST).	0000 VM4 03348
B126	PULLEY MK6	4835 528 87049
B132	CLUTCH ASSEMBLY MK8.	4835 464 57496
B133	IDLER ASSEMBLY MK8	4835 464 57495
B142	SHAFT LOCK ASSEMBLY.	4835 464 57248
B144	CLUTCHohmASHER MK2	0000 VM4 04428
B145	MAIN LEVER ASSEMBLY MK7.	4835 464 57444
B148	TG CAP MK6	4835 402 97804
B300	FL ASSEMBLY MK8.	4835 130 97103
B302	RACK MK8	4835 402 97799
B303	FRONT DOOR OPENER MK7.	4835 402 97817
B304	DOOR OPENER MK7.	4835 402 97818
B308	SLIDER SHAFT MK8	0000 VM4 09335
B313	DR GEAR SPRING MK7	4835 522 37367
B319	CASSETTE SPRING MK8.	0000 VM4 09333
B329	HOLDER KICK ARM N MK6.	000V M30 2956B
B332	HOLDER ARM SPRING MK6.	000V M40 8062B
B339	REEL(S) MK8.	4835 528 17047
B344	CASSETTE GUIDE R MK8	4835 402 97797
B345	CASSETTE GUIDE L MK8	4835 402 97796
B347	GUIDE HOLDER(F) MK8.	4835 256 97342
B348	GUIDE HOLDER R MK8	4835 256 97341
B350	SLIDER GEAR MK8.	4835 522 37368
B352	CASSETTE DR GEAR(N) MK6.	4835 522 37354
B353	CASSETTE PLATE SUB ASSEMBLY MK8.	4835 464 57491
B354	SLIDER(R) MK8.	4835 466 47055
B355	SLIDER(L) MK8.	4835 466 47054
B358	CAM MK7.	4835 528 37038
B365	RADIATOR PLATE MK7	0000 VM4 08563
B401	VH CONNECTOR 4A MK7.	0000 VM3 03174
B402	VH CONNECTOR 4B MK6.	0000 VM4 07671
B403	ACH CONNECTOR A MK7.	4835 402 97801
B404	ACH CONNECTOR B MK7.	0000 VM4 08582
B405	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B406	SENSOR GEAR MK7.	4835 522 37369
B407	M GEAR MK6	4835 522 37345
B409	EJECT SPRING MK7	0000 VM4 08716
B410	PINCH ROLLER ASSEMBLY MK8.	4835 464 57493
B411	PINCH SPRING MK8	0000 VM4 09340
B412	S BRAKE LEVER MK7.	4835 402 97794
B413	M BRAKE T SUB ASSEMBLY MK7	4835 464 57484
B414	M BRAKE S ASSEMBLY MK7	4835 464 57438
B415	S BRAKE L SPRING MK7	0000 VM4 08556
B416	M BRAKE T SPRING MK7	0000 VM4 08588
B417	TENSION SPRING MK8	0000 VM4 09452
B418	TENSION PLATE MK8.	0000 VM4 09451
B419	BT ARM MK7	4835 402 97752
B420	REC ARM MK7.	4835 402 97754
B421	REC ARM SPRING MK6	000V M40 7708D
B425	LOCK LEVER SPRING MK7.	0000 VM4 08555
B426	KICK PULLEY MK6.	4835 528 87053
B427	KICK SPRING MK6.	0000 VM4 07701
B428	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B435	F BRAKE SPRING MK7	000V M40 8722A
B460	BT SPRING MK7.	0000 VM4 08551
B461	MAIN LEVER SPRING MK8.	0000 VM4 09494
B462	PRISM(L2) MK8.	4835 464 57482
B463	PRISM(R2) MK7.	4835 464 57481
B464	CASSETTE DR LEVER SUB ASSEMBLY MK7	4835 464 57445
B465	INSULATION COVER MK8	0000 VM3 03517
B468	SOFT SPRING A MK7.	0000 VM4 09214
B470	TAPE GUIDE ARM ASSEMBLY MK8.	4835 464 57485
B471	CASSETTE GUIDE R ASSEMBLY MK8.	4835 464 57487
B472	SLIDER R ASSEMBLY MK8.	4835 464 57488
B473	SLIDER L ASSEMBLY MK8.	4835 464 57489
B474	CASSETTE DR LEVER ASSEMBLY MK7	4835 402 97786
B475	BT ARM ASSEMBLY MK7.	4835 402 97787
B476	REC ARM ASSEMBLY MK7	4835 402 97788
L1051	SCREW, S-TIGHT M2.6X6 PAN HEAD +	0000 GPM S9060
L1053	SCREW PRISM MK7.	0000 VM4 09038
L1063	SCREW, S-TIGHT M2.6X4 PAN HEAD +	0000 GPM S9040
L1081	SCREW, S-TIGHT M3X6 BIND HEAD+	0000 GBM S3060
L1101	SCREW, P-TIGHT 3X10 BIND HEAD+	0000 GBM P3100
L1151	SCREW, SEMS M3X4 PAN HEAD +.	0000 CPM 33040
L1191	SCREW, P-TIGHT M2.6X12ohmASHER HEAD+	0000 GCM P9120
L1321	SCREW, P-TIGHT 3X8 BIND HEAD+.	0000 GBM P3080
L1341	SCREW, P-TIGHT M2.6X8 BIND HEAD+	0000 GBM P9080
L1342	SCREW, P-TIGHT M2.6X6 BIND HEAD+	0000 GBM P9060
L1402	SCREW, P-TIGHT M2X6ohmASHER HEAD+.	0000 GCM P2060
L1403	SCREW, P-TIGHT M3X10ohmASHER HEAD+	0000 GCM P3100
L1406	SCREW, S-TIGHT M2.6X4 CUP HEAD+.	0000 GCM S9040
L1407	SCREW, S-TIGHT M2.6X8 PAN HEAD +	0000 GPM S9080
L1450	SCREW, SEMS M2.6X5 PAN HEAD+	0000 CPM 39050
L1451	SCREW:SLIDER R MK7	0000 VM4 08853

Mode SW CBA (SWV)

	Mode SW CBA (SWV)	
B422	Mode SW CBA (SWV).	0000 VSA 09408
CL281	PARALLELohmIRE 2P AWG26/GREY/UL2651.	WX1N 800 2-001
R281	CARBON RES. 1/4W 3.6K ohm ‘2%.	4835 110 57373
R282	CARBON RES. 1/4W 1.5Kohm ‘2%	4835 110 57186
R283	CARBON RES. 1/4W 10Kohm ‘2%.	4835 110 57214
R284	CARBON RES. 1/4W 22Kohm ‘2%.	4835 110 57283
R285	CARBON RES. 1/4W 470 ohm ‘2%	4835 110 57167
SW281	MODE SWITCH HMW0420-910010	4835 276 17326

Main CBA

	Main CBA	

Cabinet Parts

	Cabinet Parts	
A1-1	FRONT CABINET PCEC:003502011450.	4835 443 47583
A1-2	CASSETTE DOOR.	4835 443 67466
A1-3	CONTROL PLATE.	4835 443 67471
A1-4	DOOR SPRING.	4835 492 97212
A1-5	CLOTH(4X7XT0.7).	0000 EM4 04974
A1-6	FOOT PLATE PCEC:003502011420	4835 462 17009
A2	REAR CABINET PCEC:003502011419	4835 443 47551
S A3	RATING LABEL	0000 EM4 04984
A4	POP LABEL.	0000 EM4 04831
B1	CRT MOUNTING SCREW PCEC:00103817-1820.	0000 EMN 01296
B2	DEGAUSS HOLDER PCEC:00645991-0009.	0000 EMN 01294
B3	TENSION SPRING B0080B0:EM40808	4835 492 37025
B4	SHIELD PLATE	0000 EM4 04783
B5	PCB HOLDER(A).	0000 EM3 01107
B6	CLOTH 190X15XT0.5.	0000 00T S7623
B7	POW PCB HOLDER	0000 EM4 03992
L1	SCREW M4X18 PCEC:00103371-1809	0000 EMN 01297
L2	SCREW TAPPING M4X14.	0000 DBU 14140
L3	SCREW C-TIGHT M3X4 BIND HEAD+.	0000 GBM C3040
L4	ASSEMBLED SCREW M3X10.	0000 EM4 01739
L5	SCREW P-TIGHT 3X12 BIND HEAD+.	0000 GBM P3120
S1	CARTON	0000 EM4 04985
S2	SET SHEET PCEC:003502019816.	0000 EM4 03887
S3	STYROFOAM TOP.	0000 EM0 00288
S4	STYROFOAM BOTTOM	0000 EM0 00289
S6	SERIAL NO. LABEL(P).	0000 EM4 04103
TB1	TRAY CHASSIS	0000 EM0 00353
TB2	TOP SHIELD	0000 EM2 00995
TB8	FRONT GUIDE MK7.	4835 402 97761
TB9	BOTTOM SHIELD.	0000 EM3 01132
S TB11	CRITICAL PARTSohmARNING LABEL PCEC00350 2015904.	0000 024 LH199
TB13	RCA HOLDER	000E M40 3474E
TB18	WASHER(D8)	0000 VM4 08931
TL1	SCREW P-TIGHT 3X12ohmASHER HEAD+	0000 GCM P3120
TL4	SCREW S-TIGHT 3X4 BIND HEAD+	0000 GBM S3040
TL8	SCREW B-TIGHT M3X25 BIND HEAD+	0000 GBM B3250
X1	POLYETHYLENE BAG PCEC:645560-0003.	0000 EMN 01300
S X2	OWNER'S MANUAL	00IB 813 5E001
X3	REMOCON UNIT 512/ERC001/N0266UD.	4835 218 37242
X4	DRY BATTERY R6P UM3.	4835 138 17012
X5	SERVICE CENTER MAP H7220UD	0000 VMN 01909
X6	REGISTRATION CARD PCEC:00EL6192E001.	0000 EMN 01302
X7	IMPORTANT SAFEGUARDS PCEC:00EL4496E006	0000 EMN 01233
X8	REGISTRATION LABEL PCEC:00EL5031E001	0000 EMN 01301
X9	SERVICE CONTRACT CARD:TVCR PCEC:EL6260E 001.	0000 EMN 01338
X23	CATALOG.	0000 EMN 01486
	CLEANER ASSEMBLY MK7	4835 464 57451

MAIN CBA

	MAIN CBA	

CCA252AT31 (continued)

	MAIN CBA	0000 ESA 02970
C001	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C002	ELECT 100mF/10V ±20%	4835 124 47323
C007	ELECT 22mF/16V ±20%.	4835 124 47175
C012	CER CAP.(AX) 0.01mF/50V ±10% (B)	CCA1 JKT 0B103
C013	ELECT 1mF/50V ±20%	4835 124 47014
C032	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C040	CER CAP.(AX) 56pF/50V ±5% (SL)	4835 122 47053
C201	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C205	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C208	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C209	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C211	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C213	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C214	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C215	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C216	ELECT 1mF/50V ±20% H7.	4835 124 47045
C218	CER CAP.(AX) 10pF/50V ±5% (CH)	4835 122 47003
C219	CER CAP.(AX) 15pF/50V ±5% (CH)	4835 122 47085
C220	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C221	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C223	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C225	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C231	ELECT 47mF/16V ±20% H7	4835 124 47073
C240	ELECT 22mF/16V ±20% H7	4835 124 47128
C241	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C242	CER CAP.(AX) 220pF/50V ±10% (B).	4835 122 47006
C243	ELECT 1mF/50V ±20% H7.	4835 124 47045
C244	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C245	CER CAP.(AX) 560pF/50V ±10% (B).	4835 122 47206
C250	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C251	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C252	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C253	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C256	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C258	ELECT 47mF/16V ±20% H7	4835 124 47073
C259	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C263	CARBON RES. 1/4W ±5% 390ohm.	4835 110 57048
C264	CER CAP.(AX) 6800pF/16V ±10% (X)	4835 122 97078
C265	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C274	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C276	CER CAP.(AX) 0.1mF/50V +80/-20% (F).	4835 122 47162
C277	ELECT 22mF/16V ±20%.	4835 124 47175
C278	CER CAP.(AX) 0.1mF/50V +80/-20% (F).	4835 122 47162
C279	ELECT 10mF/50V ±20%.	4835 124 47202
C280	ELECT 22mF/16V ±20%.	4835 124 47175
C281	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C283	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C284	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C285	ELECT 22mF/16V ±20% H7	4835 124 47128
C286	ELECT 47mF/16V ±20% H7	4835 124 47073
C287	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C288	ELECT 22mF/16V ±20% LL H7.	4835 124 47175
C290	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C291	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C292	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C293	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C294	ELECT 22mF/16V ±20% H7	4835 124 47128
C296	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C299	ELECT 47mF/16V ±20% H7	4835 124 47073
C301	ELECT 22mF/16V ±20%.	4835 124 47175
C302	ELECT 220mF/6.3V ±20%.	4835 124 47168
C304	ELECT 100mF/10V ±20%	4835 124 47323
C305	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C306	CER CAP.(AX) 100pF/50V ±10% (B).	4835 122 47014
C307	CER CAP.(AX) 100pF/50V ±10% (B).	4835 122 47014
C308	CER CAP.(AX) 68pF/50V ±5% (SL)	4835 122 47217
C309	ELECT 1mF/50V ±20%	4835 124 47014
C310	CER CAP.(AX) 0.018mF/6V ±20% (Y)	4835 122 47693
C311	FILM CAP.(P) 0.01mF/50V ±5%.	4835 121 47461
C321	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C322	ELECT 100mF/16V ±20% H7.	4835 124 47033
C323	CER CAP.(AX) 33pF/50V ±5% (SL)	4835 122 47119
C324	ELECT 2.2mF/50V ±20%	4835 124 47086
C325	CER CAP.(AX) 0.1mF/50V +80/-20% (F).	4835 122 47162
C326	CER CAP.(AX) 0.1mF/50V +80/-20% (F).	4835 122 47162
C328	CER CAP.(AX) 0.1mF/50V +80/-20% (F).	4835 122 47162
C329	ELECT 1mF/50V ±20%	4835 124 47014
C330	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C331	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C332	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C336	ELECT 1mF/50V ±20% LL.	4835 124 47305
C343	CER CAP.(AX) 3300pF/16V ±10% (X)	4835 122 47475
C344	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C345	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C346	ELECT 10mF/50V ±20%.	4835 124 47202
C347	ELECT 10mF/50V ±20% H7	4835 124 47202
C348	CER CAP.(AX) 0.015mF/6V ±20% (Y)	4835 122 47675
C349	ELECT 0.22mF/50V ±20% H7	4835 124 47107
C351	CER CAP.(AX) 0.022mF/6V ±30% (Y)	4835 122 47694
C354	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C355	ELECT 1000mF/10V ±20%.	4835 124 47163
C356	ELECT 220mF/10V ±20%	4835 124 47292
C357	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C362	ELECT 1mF/50V ±20% H7.	4835 124 47045
C370	ELECT 1mF/50V ±20%	4835 124 47014
C371	ELECT 0.47mF/50V ±20%.	4835 124 47155
C372	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C373	ELECT 0.33mF/50V ±20%.	4835 124 47544
C375	ELECT 0.1mF/50V ±20%	4835 124 47048
C376	CER CAP.(AX) 3300pF/16V ±10% (X)	4835 122 47475
C378	ELECT 1mF/50V ±20% H7.	4835 124 47045
C385	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C386	CER CAP.(AX) 10pF/50V ±5% (SL)	4835 122 47003
C387	ELECT 0.47mF/50V ±20%.	4835 124 47155
C401	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C402	CER CAP.(AX) 0.1mF/50V +80/-20% (F).	4835 122 47162
C403	CER CAP.(AX) 0.012mF/6V ±20% (Y)	4835 122 47692
C404	ELECT 10mF/16V ±20% H7	4835 124 47268
C405	ELECT 4.7mF/25V ±20% H7.	4835 124 47481
C406	CER CAP.(AX) 2700pF/16V ±10% (X)	4835 122 47538
C407	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C408	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C410	ELECT 1mF/50V ±20% H7.	4835 124 47045
C411	ELECT 100mF/6.3V ±20% H7	4835 124 47263
C412	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C413	CER CAP.(AX) 33pF/50V ±5% (SL)	4835 122 47119
C414	CER CAP.(AX) 390pF/50V ±10% (B).	4835 122 47041
C415	CER CAP.(AX) 18pF/50V ±5% (SL)	4835 122 47086
C416	CER CAP.(AX) 180pF/50V ±10% (B).	4835 122 17015
C417	CER CAP.(AX) 22pF/50V ±5% (SL)	4835 122 37016
C418	ELECT 1mF/50V ±20% H7.	4835 124 47045
C420	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C421	CER CAP.(AX) 220pF/50V ±10% (B).	4835 122 47006
C422	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C425	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C427	ELECT 0.1mF/50V ±20% H7.	4835 124 47048
C429	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C430	ELECT 10mF/16V ±20% H7	4835 124 47268
C431	ELECT 1mF/50V ±20% H7.	4835 124 47045
C432	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C434	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C435	ELECT 1mF/50V ±20% H7.	4835 124 47045
C436	ELECT 1mF/50V ±20% H7.	4835 124 47045
C437	ELECT 1mF/50V ±20% H7.	4835 124 47045
C438	ELECT 22mF/6.3V ±20%	4835 124 47238
C440	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C441	CER CAP.(AX) 820pF/50V ±10% (B).	4835 122 47405
C443	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C444	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C445	ELECT 47mF/6.3V ±20%	4835 124 47265
C446	CER CAP.(AX) 0.033mF/16V +80/-20% (F).	4835 122 47288
C447	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C448	ELECT 100mF/6.3V ±20% H7	4835 124 47263
C450	ELECT 1mF/50V ±20% H7.	4835 124 47045
C451	ELECT 2.2mF/50V ±20% H7.	4835 124 47049
C452	CER CAP.(AX) 5600pF/16V ±10% (X)	4835 122 47486
C453	ELECT 1mF/50V ±20% H7.	4835 124 47045
C454	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C455	ELECT 0.47mF/50V ±20% H7	4835 124 47155
C456	ELECT 10mF/16V ±20% H7	4835 124 47268
C460	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C461	ELECT 0.1mF/50V ±20% H7.	4835 124 47048
C463	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C464	CER CAP.(AX) 0.1mF/50V +80/-20% (F).	4835 122 47162
C465	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C467	CER CAP.(AX) 0.1mF/50V +80/-20% (F).	4835 122 47162
C468	ELECT 33mF/6.3V ±20% H7.	4835 124 47169
C471	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C476	ELECT 4.7mF/25V ±20% H7.	4835 124 47481
C477	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C478	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C480	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C481	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C483	CER CAP. 470pF/100V ±10% (B)	4835 122 47691
C484	FILM CAP.(P) 0.018mF/100V ±5%.	4835 121 47665
C490	ELECT 10mF/16V ±20% H7	4835 124 47268
C495	ELECT 1mF/50V ±20% H7.	4835 124 47045
C496	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C498	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C499	CER CAP.(AX) 0.1mF/50V +80/-20% (F).	4835 122 47162
C621	ELECT 47mF/16V ±20%.	4835 124 47073
C630	ELECT 10mF/50V ±20%.	4835 124 47202
C632	ELECT 220mF/6.3V ±20%.	4835 124 47168
C633	ELECT 100mF/6.3V ±20%.	4835 124 47165
C636	ELECT 100mF/16V ±20%	4835 124 47033
C637	ELECT 47mF/16V ±20% H7	4835 124 47073
C801	SEMI CAP 0.033mF/25V ±10% (YR)	4835 122 47288
C802	ELECT 0.47mF/50V ±20% H7	4835 124 47155
C803	ELECT 47mF/10V ±20% H7	4835 124 47154
C805	ELECT 330mF/16V ±20%	4835 124 47008
C807	ELECT 470mF/16V ±20%	4835 124 47286
C808	CER CAP.(AX) 0.1mF/50V +80/-20% (F)	4835 122 47162
C809	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009

S = Safety Part Be sure to use exact replacement part.

CCA252AT31 (continued)

	C810	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	CN202	CONNECTOR 8P TMC-J08P-A1	J3TM A08 TG002
	CN301	CONNECTOR BASE 5P TUC-P05P-B1.	J3TU A05 TG001
	CN303	CONNECTOR BASE 7P TUC-P07P-B1.	J3TU A07 TG001
	CN304	CONNECTOR BASE 5P TUC-P05P-B1.	J3TU A05 TG001
	CN471	FFC CONNECTOR BASE TOP 4P 9604S-04C.	JC04 J04 ER002
	CN603	CONNECTOR BASE 14P TUC-P14P-B1	J3TU A14 TG001
	CN801	CONNECTOR BASE/LIGHT ANGLE 008283021100 000.	J383 C02 UG001
	CN851	FFC CONNECTOR BASE TOP 17P 9604S-17C	JC04 J17 ER002
	CN852	CABLE CONNECTOR 2P TMC-E02X-A1	4835 263 97018
	D029	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D201	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D204	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D206	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D209	LED SIR-56ST3F-M	4835 130 87154
	D211	LED LTL-4214M1	4835 130 87149
	D216	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D217	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D220	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D221	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D222	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D227	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D250	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D292	ZENER DIODE MTZJT-776.8B	4835 130 37881
	D295	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D296	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D298	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D299	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D302	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D303	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D304	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D305	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D307	ZENER DIODE MTZJT-778.2B	4835 130 37963
	D308	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D311	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D322	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D323	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D324	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D325	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D371	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D399	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D441	ZENER DIODE MTZJT-775.6B	4835 130 37329
	D620	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	D630	ZENER DIODE MTZJT-776.8A	4835 130 37971
S	D636	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D637	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D638	ZENER DIODE MTZJT-776.2A	4835 130 37959
	D640	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D641	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D645	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D646	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D648	ZENER DIODE MTZJT-775.6C	4835 130 37329
S	D650	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D652	ZENER DIODE MTZJT-7718B.	4835 130 37784
	D701	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D702	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D703	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D801	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	J331	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	IC201	MICROCOMPUTER 16BIT M37760MCA8A4GP	4835 209 17629
	IC202	IC:MEMORY AT24C02N-10SC.	4835 209 47434
	IC203	IC:RESET BMR-0101C	4835 209 47438
S	IC204	IC BA6955N	4835 209 47404
	IC207	IC:OP-AMP. LM324N.	4835 209 87763
S	IC301	IC:CHROMA/IF 1 CHIP M52772FP	4835 209 47435
	IC401	IC:Y/C/A LA71077M.	4835 209 47439
S	IC602	IC:VOLTAGE REGULATOR 5V KIA7805PI.	4835 209 88129
S	IC801	IC TDA7231A.	4835 209 88115
	L001	INDUCTOR 100mH-K-5FT	4835 157 57798
	L002	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L040	INDUCTOR 18mH-J-26T.	4835 157 58179
	L201	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L246	INDUCTOR 0.1mH-M-26T	4835 157 58236
	L250	INDUCTOR 1.0mH-J-26T	4835 157 58144
	L303	INDUCTOR 100mH-K-5FT	4835 157 57798
	L321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L361	INDUCTOR 12mH-J-26T.	4835 157 58071
	L362	INDUCTOR 18mH-J-26T.	4835 157 58179
	L391	INDUCTOR 2.2mH-J-26T	4835 157 57639
	L422	INDUCTOR 100mH-J-26T	4835 157 57644
	L423	INDUCTOR 100mH-J-26T	4835 157 57644
	L442	INDUCTOR 22mH-J-26T.	4835 157 57641
	L470	INDUCTOR 22mH-J-26T.	4835 157 57641
	L481	INDUCTOR 47mH-K-5FT.	4835 157 57375
	L482	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L602	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L849	INDUCTOR 0.47mH-J-26T.	4835 157 58018
	Q201	RESET KTC3199(GR) NPN.	4835 130 47914
	Q202	END SENSOR PHOTO TRANSISTOR ST-319R2-B	4835 130 48138
	Q203	ST SENSOEPHOTO TRANSISTOR ST-319R2-B	4835 130 48138
	Q204	T REEL SENSORPHOTO TRANSISTOR ST-319R2-	4835 130 48138
	Q210	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q250	RES. BUILT-IN TRANSISTOR KRC103M NPN	4835 130 47909
	Q309	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q310	BUFFER KTA1267(GR) PNP	4835 130 47913
	Q311	SWITCHING 2SC2482 TPE6 NPN	4835 130 48046
	Q312	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q313	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q314	AMP KTC3199(GR) NPN.	4835 130 47914
	Q315	AMP KTC3199(GR) NPN.	4835 130 47914
	Q422	BUFFER KTA1267(GR) PNP	4835 130 47913
	Q431	AMP KTA1267(GR) PNP.	4835 130 47913
	Q441	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q481	TRANSISTOR 2SA1317(U) PNP.	4835 130 47422
	Q482	BIAS OSC 2SC2120-O(TPE2) NPN	4835 130 47756
	Q483	SWITCHING 2SC3331(T) NPN	4835 130 47549
	Q484	SWITCHING 2SC3331(T) NPN	4835 130 47549
	Q485	SWITCHING RES. BUILT-IN KRA103M PNP	4835 130 47907
S	Q615	+5V REGULATOR KTC3199(GR) NPN.	4835 130 47914
S	Q617	+5V REGULATOR 2SD400(F) NPN.	4835 130 47433
S	Q618	+5V REGULATOR KTC3199(GR) NPN.	4835 130 47914
S	Q619	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q701	RES. BUILT-IN TRANSISTOR KRC103M NPN	4835 130 47909
	Q703	AMP KTA1267(GR) PNP.	4835 130 47913
	Q801	AUDIO MUTE KTC3199(GR) NPN	4835 130 47914
	R001	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R002	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R003	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R011	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R012	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R030	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R031	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R100	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R101	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R102	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R103	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R104	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R105	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R106	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R107	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R108	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R109	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R110	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R201	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R202	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R203	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R205	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R206	CARBON RES. 1/4W ±5% 820kohm	4835 110 57344
	R207	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R208	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R209	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053
	R215	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R218	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R219	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R220	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R221	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R222	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R223	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R224	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R226	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R227	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R228	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R229	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R231	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R233	CARBON RES. 1/4W ±5% 10Mohm.	4835 110 57288
	R234	CARBON RES. 1/4W ±5% 470kohm	4835 110 57225
	R239	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R242	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R243	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R244	CARBON RES. 1/4W ±5% 1Mohm	4835 110 57272
	R245	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R246	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R249	CARBON RES. 1/4W ±5% 68kohm.	4835 110 57168
	R250	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R251	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R252	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R253	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R254	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R255	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R256	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R257	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R258	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R259	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R260	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S	R265	METAL RESISTOR 1W ±5% 2.7ohm	4835 116 57346
	R266	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R267	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R268	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R269	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
	R270	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
	R271	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R273	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053

S = Safety Part Be sure to use exact replacement part.

CCA252AT31 (continued)

R274	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R275	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R276	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R277	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
R278	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R280	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
R281	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
R282	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R283	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R284	CARBON RES. 1/4W ±5% 39kohm.	4835 110 57262
R285	CARBON RES. 1/4W ±5% 220kohm	4835 110 57208
R286	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R287	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R288	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R289	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R291	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
R292	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
R293	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
R296	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
R301	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
R302	CARBON RES. 1/4W ±5% 390kohm	4835 110 57263
R303	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R304	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R305	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R306	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R307	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R309	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
R310	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R311	CARBON RES. 1/4W ±5% 390kohm	4835 110 57263
R314	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
R316	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R317	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
R320	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R321	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R323	CARBON RES. 1/4W ±5% 330kohm	4835 110 57197
R324	CARBON RES. 1/4W ±5% 27kohm.	4835 111 37182
R325	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
R326	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R327	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R328	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R329	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R330	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R331	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R332	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
R333	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
R334	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R335	CARBON RES. 1/4W ±5% 22ohm	4835 110 57036
R337	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
R338	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R343	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R344	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R347	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R348	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
R350	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R352	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
R354	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R355	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R363	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R366	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R367	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R368	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
R369	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R371	CARBON RES. 1/4W ±5% 10Mohm.	4835 110 57288
R375	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R376	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R377	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
R378	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
R379	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R380	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R381	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
R382	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R383	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R384	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R386	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R387	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R388	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
R394	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R395	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R396	CARBON RES. 1/4W ±5% 330kohm	4835 110 57197
R401	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R402	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
R403	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
R404	CARBON RES. 1/4W ±5% 330kohm	4835 110 57197
R405	CARBON RES. 1/4W ±5% 120ohm.	4835 110 57217
R406	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
R407	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R408	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R409	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R410	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
R411	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
R413	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
R414	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
R415	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
R416	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
R419	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R422	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
R423	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
R424	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
R425	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
R426	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R428	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R429	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
R430	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
R432	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R433	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R434	CARBON RES. 1/4W ±5% 3.3Mohm	4835 110 57047
R435	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
R436	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
R437	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R438	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R439	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
R440	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R441	CARBON RES. 1/4W ±5% 180ohm.	4835 110 57219
R442	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
R443	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
R444	CARBON RES. 1/4W ±5% 820kohm	4835 110 57344
R445	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
R447	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R450	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
R451	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
R452	CARBON RES. 1/4W ±5% 2.2Mohm	4835 110 57039
R453	CARBON RES. 1/4W ±5% 27kohm.	4835 111 37182
R454	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
R461	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
R462	CARBON RES. 1/4W ±5% 2kohm	4835 110 57253
R464	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R465	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
R466	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
R467	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R468	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R480	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R481	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
R482	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
R483	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R484	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
R485	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R486	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R487	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R499	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R619	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S R626	CARBON RES. 1/4W ±5% 12ohm	4835 110 57252
S R627	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
S R628	METAL RESISTOR 2W ±5% 68ohm.	4835 116 57573
S R629	METAL RESISTOR 2W ±5% 68ohm.	4835 116 57573
R654	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
R663	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S R665	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
R666	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S R667	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
R672	METAL RES. 2W ±5% 12ohm.	4835 116 57075
R674	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
R701	CARBON RES. 1/4W ±5% 75ohm	4835 110 57056
R702	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R703	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
R709	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
R710	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
R801	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
R803	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S R806	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
S R807	METAL FILM RES.(STRAIGHT)1W ±5% 12ohm.	4835 116 57639
S R808	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
R811	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
R812	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
R849	CARBON RES. 1/2W ±5% 100ohm.	4835 110 47085
SW101	TACT SWITCH SKQSAB	4835 276 17331
SW102	TACT SWITCH SKQSAB	4835 276 17331
SW103	TACT SWITCH SKQSAB	4835 276 17331
SW104	TACT SWITCH SKQSAB	4835 276 17331
SW105	TACT SWITCH SKQSAB	4835 276 17331
SW106	TACT SWITCH SKQSAB	4835 276 17331
SW107	TACT SWITCH SKQSAB	4835 276 17331
SW108	TACT SWITCH SKQSAB	4835 276 17331
SW109	TACT SWITCH SKQSAB	4835 276 17331
SW110	TACT SWITCH SKQSAB	4835 276 17331
SW201	PUSH SWITCH SPPB61066A	4835 276 17213
T301	VCO COIL KHI-821023.	4835 140 67127
X201	CRYSTAL OSCILLATOR HC-49/U	4835 242 77326
X202	CRYSTAL OSCILLATOR 32kHz(10PPM). . . .	4835 242 77091
X301	CER RESONATOR CSB503F18.	4835 242 77226
X321	CRYSTAL OSCILLATOR 3.579545 MHz. . . .	4835 242 77308
X401	CRYSTAL OSCILLATOR 3.579545MHz	4835 242 77093
CF301	CER FILTER SFSH4.5MCB.	4835 153 97029
CF302	CER TRAP TPS4.5MB2	4835 153 97048
JK701	RCA JACK 1P AV-8.4-9Y.	4835 265 97455

S = Safety Part Be sure to use exact replacement part.

CCA252AT31 (continued)

	JK702	RCA JACK 1P AV-8.4-9W.	4835 265 97456
	JK801	EARPHONE JACK HTJ-035-1ZEBTZ	4835 265 97306
	RS201	REMOTE RECEIVER UNIT PIC-26042SR	4835 210 27056
	SF003	SAW FILTER TSF5229P.	4835 153 97062
	TB3	BOTTOM SHIELD.	0000 EM3 01132
	TB5	BUSH LED(E).	0000 VM4 08832
	TB16	BUSH LED(D).	0000 VM4 08655
	TL4	SCREW S-TIGHT 3X4 BIND HEAD+	0000 GBM S3040
	TL8	SCREW B-TIGHT M3X25 BIND HEAD+	0000 GBM B3250
	TU001	TUNER UNIT TEDH9-002A.	4835 210 47107

Power Supply/H.V. CBA

		Power Supply/H.V. CBA	
	C552	FILM CAP.(P) 0.1mF/50V ±5%	4835 122 47451
	C553	ELECT 1mF/50V ±20% LL.	4835 124 47305
	C555	ELECT 47mF/35V ±20%.	4835 124 97066
	C556	ELECT 1000mF/25V ±20%.	4835 124 47007
	C558	CER CAP.(AX) 0.01mF/50V k (B).	CCA1 JKT 0B103
	C559	ELE. CAP. 330mF/35V ±20%	4835 124 47666
	C560	FILM CAP.(P) 0.056mF/50V ±5%	4835 121 47439
S	C571	METAL FILM. 0.47mF/200V ±5%.	4835 121 47449
S	C574	ELECT 4.7mF/250V	4835 124 47465
	C577	CER CAP. 2200pF/500V ±10% (B).	4835 122 47057
	C578	ELECT 1mF/160V	4835 124 47516
S	C580	METAL FILM. 0.01mF/1.6kV ±5%	4835 121 47622
S	C581	CER CAP. LB 680pF/2kV.	4835 122 47514
S	C584	ELECT 1mF/160V	4835 124 47516
S	C591	ELECT 1mF/50V ±20%	4835 124 47305
S	C592	ELECT 47mF/16V ±20%.	4835 124 47073
S	C601	CER CAP. LB 470pF/2kV.	4835 122 47642
	C603	STACKED FILM CAP. 0.12mF/50V ±5%	4835 121 47575
S	C605	FILM CAP.(MP) 0.1mF/250V ±20%.	4835 121 47025
	C606	CER CAP. LB 560pF/2kV.	4835 122 47503
	C607	CER CAP. LB 330pF/2kV.	4835 122 47573
	C608	FILM CAP.(P) 0.015mF/50V ±5%	4835 121 47517
S	C609	ELECT 470mF/200V ±20%ohm/F	4835 124 47097
	C610	CER CAP. 0.01mF/500V +80/-20% (F).	4835 122 47601
	C611	CER CAP. 0.01mF/500V +80/-20% (F).	4835 122 47601
	C612	CER CAP. 0.01mF/500V +80/-20% (F).	4835 122 47601
	C613	CER CAP. 0.01mF/500V +80/-20% (F).	4835 122 47601
S	C614	CER CAP. SAFETY 4700pF CS.	4835 122 97098
S	C615	CER CAP. SAFETY 4700pF CS.	4835 122 97098
	C616	FILM CAP.(P) 0.056mF/50V ±5%	4835 121 47439
S	C617	CER CAP. SAFETY 4700pF CS.	4835 122 97098
S	C618	CER CAP. SAFETY 4700pF CS.	4835 122 97098
S	C620	ELECT 470mF/35V ±20%	4835 124 47069
	C621	FILM CAP.(P) 0.027mF/50V ±5%	4835 121 47576
	C622	ELECT 100mF/160V ±20%.	4822 124 22663
S	C623	ELECT 1000mF/16V ±20%.	4835 124 47005
	C624	ELECT 1000mF/16V ±20%.	4835 124 47005
S	C626	CER CAP. LB 470pF/2kV.	4835 122 47642
	C627	CER CAP. 0.01mF/50V +80/-20% (F)	4835 122 37011
S	C628	ELECT 47mF/200V ±20%(105C)	4835 124 47746
	C631	FILM CAP.(P) 0.1mF/50V ±5%	4835 122 47451
	C634	ELECT 100mF/16V ±20%	4835 124 47033
S	C635	ELECT 47mF/16V ±20%.	4835 124 47073
	C638	ELECT 47mF/50V ±20%.	4835 124 47507
	C639	ELECT 22mF/50V ±20%.	4835 124 47051
	C643	CER CAP.(AX) 220pF/50V ±10% (B).	4835 122 47006
	C645	PCB JUMPER D0.6-P10.0.	0000 0JW 10.0T
S	C652	ELECT 1000mF/16V ±20%.	4835 124 47005
S	CN571	CONNECTOR BASE 5P TV-50P-05-V2	J3TV C05 TG002
	CN601	CONNECTOR BASE 2P TV-50P-02-V2	J3TV C02 TG002
	D552	RECTIFIER DIODE ERA15-02	4835 130 37515
	D555	ZENER DIODE MTZJT-7720B.	4835 130 37965
	D571	PCB JUMPER D0.6-P15.0.	0000 0JW 15.0T
S	D572	SWITCHING ERA22-02	4835 130 37985
S	D584	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D585	ZENER DIODE MTZJT-776.2B	4835 130 37593
S	D591	ZENER DIODE MTZJT-7730B.	4835 130 37335
S	D595	ZENER DIODE MTZJT-7724C.	4835 130 37984
S	D596	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D597	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D598	SWITCHING ERA22-02 ERA22-02.	4835 130 37985
S	D602	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D603	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D604	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D605	FAST RECOVERY DIODE ERB44-08	4835 130 37612
S	D606	ZENER DIODE MTZJT-7720C.	4835 130 37983
	D607	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D609	RECTIFIER RRC04-06L3	4835 130 37986
S	D610	RECTIFIER RRC04-06L3	4835 130 37986
S	D611	RECTIFIER RRC04-06L3	4835 130 37986
S	D612	RECTIFIER RRC04-06L3	4835 130 37986
S	D614	ZENER DIODE MTZJT-776.8B	4835 130 37881
S	D615	ZENER ERA22-02 ERA22-02.	4835 130 37985
	D616	ZENER 1ZC33.	4835 130 37958
S	D617	SCHOTTKY BARRIER DIODE ERB83-006	4835 130 37896
S	D618	SCHOTTKY BARRIER DIODE ERB83-006	4835 130 37896
S	D619	SCHOTTKY BARRIER DIODE ERB83-006	4835 130 37896
S	D621	SWITCHING ERD29-06J.	4835 130 37987
	D623	ZENER DIODE MTZJT-7724C.	4835 130 37984
	D625	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D626	ZENER DIODE MTZJT-7736A.	4835 130 37785
	D632	ZENER DIODE MTZJT-779.1A	4835 130 37506
	D633	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D634	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D635	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D639	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D640	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D641	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D642	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D643	ZENER DIODE MTZJT-772.2B	4835 130 37961
S	D644	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D645	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D655	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D660	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	IC551	VERTICAL OUTPUT IC AN5539.	4835 209 47445
S	IC601	PHOTOCOUPLER LTV-817B-F.	4835 130 37977
S	L571	LINEARITY COIL SCC-16mH.	4835 157 58187
S	L572	INDUCTOR 33mH-K-26T.	4835 157 57373
S	L601	LINE FILTER 15mH	4835 153 97057
	L602	CHOKE COIL 47mH-K.	4835 157 58208
	Q551	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q552	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S	Q571	H-OUTPUT 2SD2578 NPN	4835 130 48169
S	Q572	H-DR 2SC2482 TPE6 NPN.	4835 130 48046
S	Q591	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S	Q601	FET 2SK2638-01MR	4835 130 48168
S	Q602	LIMITER 2SC2120-O(TPE2) NPN.	4835 130 47756
S	Q605	FEED BACK KTC3199(GR) NPN.	4835 130 47914
	Q609	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S	Q610	+9V REGULATOR 2SB698(G) PNP.	4835 130 47915
	Q613	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q614	SWITCHING KTC3199(GR) NPN.	4835 130 47914
S	Q616	+8V REGULATOR KTC3199(GR) NPN.	4835 130 47914
S	Q618	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	R551	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R552	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R553	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R554	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R555	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
S	R556	CARBON RES. 1/4W ±5% 4.7ohm.	4835 110 57212
	R557	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R558	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R559	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R560	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R561	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R562	CARBON RES. 1/4W ±5% 3.3ohm.	4835 110 57026
	R563	CARBON RES. 1/4W ±5% 3.3ohm.	4835 110 57026
	R564	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R565	CARBON RES. 1/4W ±5% 3.3ohm.	4835 110 57026
S	R566	FIXED METAL OXIDE FILM RES. 1W ±5% 2.2ohm.	4835 116 67098
	R569	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
S	R570	METAL RESISTOR 1W ±5% 1kohm.	4835 116 67153
	R572	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R573	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S	R574	METAL RESISTOR 2W ±5% 1kohm.	4835 116 57057
S	R575	METAL RESISTOR 2W ±5% 1kohm.	4835 116 57057
	R576	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R577	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R578	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R579	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R581	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
S	R582	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
S	R583	METAL RESISTOR 2W ±5% 3.9ohm	4835 116 57794
S	R584	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R585	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R586	CARBON RES. 1/4W ±5% 390kohm	4835 110 57263
	R587	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R588	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
S	R590	CEMENT RESISTOR 5W ±10% 1.8kohm H=25MM	4835 112 27041
S	R591	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
S	R592	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
S	R593	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
S	R594	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R595	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R596	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
S	R597	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
S	R598	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
S	R599	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R601	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
	R602	CARBON RES. 1/4W ±5% 1Mohm	4835 110 57272
S	R604	METAL RESISTOR 2W ±5% 68kohm	4835 116 67216
S	R605	METAL RESISTOR 2W ±5% 68kohm	4835 116 67216
S	R606	CARBON RES. 1/4W ±5% 68ohm	4835 110 57248
S	R607	METAL RESISTOR 2W ±5% 220ohm	4835 116 57792
	R608	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
S	R609	METAL RESISTOR 2W ±5% 220ohm	4835 116 57792
	R614	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R615	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
S	R618	METAL RES. 2W ±5% 0.22ohm.	4835 116 67123
	R619	CARBON RES. 1/4W ±5% 3.9ohm.	4835 110 57281

S = Safety Part Be sure to use exact replacement part.

CCA252AT31 (continued)

	R620	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R622	CARBON RES. 1/4W ±5% 1Mohm	4835 110 57272
	R624	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R625	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
S	R626	CEMENT RESISTOR 10W ±5% 1.2ohm H=10MM.	4835 112 37035
S	R627	CARBON RES. 1/2W ±5% 3.3Mohm	4835 110 47117
S	R628	METAL RESISTOR 2W ±5% 6.8kohm.	4835 116 67303
S	R630	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
S	R631	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R639	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R640	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
S	R641	CEMENT RESISTOR 7W ±10% 3.9kohm. . . .	4835 112 27047
S	R642	METAL RESISTOR 2W ±5% 6.8kohm.	4835 116 67303
	R643	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R644	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
S	R645	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
S	R646	CARBON RES. 1/4W ±5% 39kohm.	4835 110 57262
S	R647	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
S	R648	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
S	R649	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
	R650	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
S	R651	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R652	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R653	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R655	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R656	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
S	R668	CARBON RES. 1/2W ±5% 10ohm	4835 110 47102
S	R669	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R670	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R671	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R672	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R673	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R674	CARBON RES. 1/4W ±5% 27kohm.	4835 111 37182
	R677	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
	R678	CARBON RES. 1/4W ±5% 220kohm	4835 110 57208
	R679	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
S	R680	METAL RESISTOR 2W ±5% 680ohm	4835 116 57161
S	R681	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
	R682	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R683	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R684	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R685	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
S	R686	CARBON RES. 1/4W ±5% 82ohm	4835 110 57274
S	T571	FLYBACK TRANS BSC25-2094S.	4835 148 87364
S	T572	H. DR TRANS OX060927	4835 148 87365
S	T601	SWITCHING TRANS SA-80801E.	4835 148 87391
S	VR601	CARBON P.O.T. 20kohm B	4835 100 97343
	BC571	BEAD INDUCTOR FBA04HA600VB-00. . . .	LLBF 00S TU026
	BC601	BEAD INDUCTOR FBR07HA121TB-00. . . .	LLBF 00Z TU021
	BC602	BEAD INDUCTOR FBR07HA121TB-00. . . .	LLBF 00Z TU021
	BC603	BEAD INDUCTOR FBR07HA121TB-00. . . .	LLBF 00Z TU021
	BC604	BEAD INDUCTOR FBR07HA121TB-00. . . .	LLBF 00Z TU021
	BC605	BEAD INDUCTOR FBR07HA121TB-00. . . .	LLBF 00Z TU021
	BC606	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	BC607	BEAD INDUCTOR FBR07HA121TB-00. . . .	LLBF 00Z TU021
	BC608	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	BC609	BEAD INDUCTOR FBR07HA121TB-00. . . .	LLBF 00Z TU021
	CL603A	LEADohmIRE 7P 160/BLA/AWG26#2468 . . .	WX30 07J 65516
	CL603B	LEADohmIRE 7P 160/BLA/AWG26#2468 . . .	WX30 07J 65516
	DL2	B-TITE SCREW 3X8 BIND + CHROME	0000 GBM B3080
	DL3	B-TITE SCREW 3X8 BIND + CHROME	0000 GBM B3080
S	F601	FUSE 4A/125V 237 TYPE.	4835 253 97153
	FH601	FUSE HOLDER MSF-015.	XH01 Z00 LY001
	FH602	FUSE HOLDER MSF-015.	XH01 Z00 LY001
S	PS602	POSISTOR ZPB58BL7R0F	4835 100 97281
S	RL601	POWER RELAY SDT-SS-112DM	4835 280 97034
S	SA601	SURGE ABSORBER JVR-07N471K	4835 252 27024
S	SG601	GAP. G3.10D.	4835 252 27023
	TP591	PCB JUMPER D0.6-P7.5	0000 00J W7.5T
	TP592	PCB JUMPER D0.6-P7.5	0000 00J W7.5T
	TP601	PCB JUMPER D0.6-P12.5.	0000 0JW 12.5T
	TP602	PCB JUMPER D0.6-P10.0.	0000 0JW 10.0T
S	W601	AC CORD 9806190.	4835 321 17101
	WH501A	WIRE HOLDER 3P HWT0200-03.	XW0H T03 C7001
	WH502A	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
	WH502B	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
	WH504B	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001
	WH603A	WIRE HOLDER 14P HWT0200-14	XW0H T14 C7001
	WH603B	WIRE HOLDER 14P HWT0200-14	XW0H T14 C7001

CRT CBA

		CRT CBA	
	C501	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
	C502	CER CAP.(AX) 150pF/50V ±10% (B). . . .	4835 122 47042
	C503	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
	C504	ELECT 47mF/16V ±20%.	4835 124 47073
	C510	CER CAP. 0.001mF/2kV	4835 122 37048
	CN501	CONNECTOR PIN 1P LV.	0000 017 00576
	D501	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D502	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D503	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	L501	INDUCTOR 180mH-K-5FT	4835 157 57372
	Q501	RED AMP 2SC2482 TPE6 NPN	4835 130 48046
	Q502	GREEN AMP 2SC2482 TPE6 NPN	4835 130 48046
	Q503	BLUE AMP 2SC2482 TPE6 NPN.	4835 130 48046
S	R501	METAL RESISTOR 2W ±5% 15kohm	4835 116 57041
S	R502	METAL RESISTOR 2W ±5% 15kohm	4835 116 57041
S	R503	METAL RESISTOR 2W ±5% 15kohm	4835 116 57041
	R504	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R505	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R506	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R507	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R508	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R511	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R512	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R513	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R514	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R516	CARBON RES. 1/4W ±5% 33ohm	4835 110 57044
	R517	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R518	CARBON RES. 1/4W ±5% 33ohm	4835 110 57044
	R519	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R520	CARBON RES. 1/4W ±5% 33ohm	4835 110 57044
	R521	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R531	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R532	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R536	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	CL501A	LEADohmIRE 3P 500/BLA/AWG26#2468 . . .	WX30 03J 65550
	CL502A	LEADohmIRE 7P 320/BLA/AWG26#2468 . . .	WX30 07J 65532
	CL504A	LEADohmIRE 5P 400/BLA/AWG26#2468 . . .	WX30 05J 65540
S	JK501	CRT SOCKET ISHS40ST.	4835 265 97461
	TP501	PCB JUMPER D0.6-P12.5.	0000 0JW 12.5T
	WH501B	WIRE HOLDER 3P HWT0200-03.	XW0H T03 C7001
	WH504A	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001

Junction A CBA

		Junction A CBA	
	CN502	CONNECTOR 7P TUC-P07X-B1	JCTU S07 TG001
	CN504	CONNECTOR 5P TUC-P05X-B1	JCTU S05 TG001

Junction B CBA

		Junction B CBA	
	CN604	CONNECTOR 14P TUC-P14X-B1.	JCTU S14 TG001

Chassis Electrical Parts

		Chassis Electrical Parts	
	CL801	WIRE ASSEMBLY 2P UL1061 AWG26 -F-. . .	WX1L 950 0-003
S	DG601	DEGAUSSING COIL 368019-0002.	4835 157 97101
	SP801	SPEAKER S08F02B.	4835 240 17019
S	V501	CRT A63AFW36X.	4835 131 27127
S	L551	DEFLECTION YOKE AT6025/A	4835 150 17161
	V501-1	C.P. MAGNET 6A062704	XM04 000 B8001
	V501-2	RUBBER MAGNET 20X10X1.2.	XM05 000 BV001
	V501-5	WEDGE FT-00110W.	XV10 000 T4001

S = Safety Part Be sure to use exact replacement part.

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DECK PARTS

	DECK PARTS	
2B6	DECK EARTH PLATE U17	0000 VM4 08662
2L051	SCREW, S-TIGHT M3X5 BIND HEAD+	0000 GBM S3050
B1	CHASSIS ASSEMBLY MK8	0000 VSA 09370
B2	CYLINDER ASSEMBLY(MK8) NTSC 4HD SQPB	4835 691 27307
B3	LOAD MTR ASSEMBLY MK7.	4835 361 27157
B4	MTR HOLDER MK8	4835 256 97343
B8	PULLEY ASSEMBLY MK6.	4835 528 87052
B9	MOVING GUIDE S PREPARATION MK7	4835 402 97757
B10	MOVING GUIDE T PREPARATION MK7	4835 402 97758
B11	LOAD ARM T ASSEMBLY MK7.	4835 464 57446
B12	LOAD ARM S ASSEMBLY MK8.	4835 464 57497
B13	LOAD LEVER ASSEMBLY MK7.	4835 464 57443
B15	LUMIRROhmASHER 3.1X6X0.35.	0000 VM4 03269
B21	LOAD BELT MK6.	4835 358 37149
B27	TENSION LEVER ASSEMBLY MK8	4835 464 57494
B31	AC HEAD ASSEMBLY MK7	4835 249 17013
B32	REEL(T) MK8.	4835 528 17048
B35	TAPE GUIDE ASSEMBLY MK8.	4835 464 57486
B37	CAPSTAN MTR F2QTB36.	4835 361 27158
B38	MODE LEVER MK8	4835 402 97798
B46	TAPE GUIDE ARM SPRING MK6.	000V M40 7704C
B47	ADJUST SCREW M2.6X6(SOD)	0000 VM4 09436
B51	FF ARM MK8	4835 402 97803
B52	CAPSTAN BELT(2) MK6.	4835 358 37148
B53	REEL P.S.W MK8	4835 528 17049
B73	FE HEAD(MK7) HVFHP0019A.	4835 249 17011
B74	PRISM MK8.	4835 464 57479
B81	M LEVER HOLDER MK7	4835 256 97336
B86	F BRAKE ASSEMBLY MK7	4835 464 57449
B108	P.S.W F.	000V M40 2629A
B121	WORM MK6	4835 522 37344
B122	P.S.W C.	0000 VM4 02626
B123	P.S.W (WORM THRUST).	0000 VM4 03348
B126	PULLEY MK6	4835 528 87049
B132	CLUTCH ASSEMBLY MK8.	4835 464 57496
B133	IDLER ASSEMBLY MK8	4835 464 57495
B142	SHAFT LOCK ASSEMBLY.	4835 464 57248
B144	CLUTCHohmASHER MK2	0000 VM4 04428
B145	MAIN LEVER ASSEMBLY MK7.	4835 464 57444
B148	TG CAP MK6	4835 402 97804
B300	FL ASSEMBLY MK8.	4835 130 97103
B302	RACK MK8	4835 402 97799
B303	FRONT DOOR OPENER MK7.	4835 402 97817
B304	DOOR OPENER MK7.	4835 402 97818
B308	SLIDER SHAFT MK8	0000 VM4 09335
B313	DR GEAR SPRING MK7	4835 522 37367
B319	CASSETTE SPRING MK8.	0000 VM4 09333
B329	HOLDER KICK ARM N MK6.	000V M30 2956B
B332	HOLDER ARM SPRING MK6.	000V M40 8062B
B339	REEL(S) MK8.	4835 528 17047
B344	CASSETTE GUIDE R MK8	4835 402 97797
B345	CASSETTE GUIDE L MK8	4835 402 97796
B347	GUIDE HOLDER(F) MK8.	4835 256 97342
B348	GUIDE HOLDER R MK8	4835 256 97341
B350	SLIDER GEAR MK8.	4835 522 37368
B352	CASSETTE DR GEAR(N) MK6.	4835 522 37354
B353	CASSETTE PLATE SUB ASSEMBLY MK8.	4835 464 57491
B354	SLIDER(R) MK8.	4835 466 47055
B355	SLIDER(L) MK8.	4835 466 47054
B358	CAM MK7.	4835 528 37038
B365	RADIATOR PLATE MK7	0000 VM4 08563
B401	VH CONNECTOR 6A MK7.	0000 VM3 03175
B402	VH CONNECTOR 6B MK6.	0000 VM4 07722
B403	ACH CONNECTOR A MK7.	4835 402 97801
B404	ACH CONNECTOR B MK7.	0000 VM4 08582
B405	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B406	SENSOR GEAR MK7.	4835 522 37369
B407	M GEAR MK6	4835 522 37345
B409	EJECT SPRING MK7	0000 VM4 08716
B410	PINCH ROLLER ASSEMBLY MK8.	4835 464 57493
B411	PINCH SPRING MK8	0000 VM4 09340
B412	S BRAKE LEVER MK7.	4835 402 97794
B413	M BRAKE T SUB ASSEMBLY MK7	4835 464 57484
B414	M BRAKE S ASSEMBLY MK7	4835 464 57438
B415	S BRAKE L SPRING MK7	0000 VM4 08556
B416	M BRAKE T SPRING MK7	0000 VM4 08588
B417	TENSION SPRING MK8	0000 VM4 09452
B418	TENSION PLATE MK8.	0000 VM4 09451
B419	BT ARM MK7	4835 402 97752
B420	REC ARM MK7.	4835 402 97754
B421	REC ARM SPRING MK6	000V M40 7708D
B425	LOCK LEVER SPRING MK7.	0000 VM4 08555
B426	KICK PULLEY MK6.	4835 528 87053
B427	KICK SPRING MK6.	0000 VM4 07701
B428	P.S.W CUT 1.6X4.0X0.5T	000V M40 8485A
B435	F BRAKE SPRING MK7	000V M40 8722A
B460	BT SPRING MK7.	0000 VM4 08551
B461	MAIN LEVER SPRING MK8.	0000 VM4 09494
B462	PRISM(L2) MK8.	4835 464 57482
B463	PRISM(R2) MK7.	4835 464 57481
B464	CASSETTE DR LEVER SUB ASSEMBLY MK7	4835 464 57445
B465	INSULATION COVER MK8	0000 VM3 03517
B468	SOFT SPRING A MK7.	0000 VM4 09214
B470	TAPE GUIDE ARM ASSEMBLY MK8.	4835 464 57485
B471	CASSETTE GUIDE R ASSEMBLY MK8.	4835 464 57487
B472	SLIDER R ASSEMBLY MK8.	4835 464 57488
B473	SLIDER L ASSEMBLY MK8.	4835 464 57489
B474	CASSETTE DR LEVER ASSEMBLY MK7	4835 402 97786
B475	BT ARM ASSEMBLY MK7.	4835 402 97787
B476	REC ARM ASSEMBLY MK7	4835 402 97788
L1051	SCREW, S-TIGHT M2.6X6 PAN HEAD +	0000 GPM S9060
L1053	SCREW PRISM MK7.	0000 VM4 09038
L1063	SCREW, S-TIGHT M2.6X4 PAN HEAD +	0000 GPM S9040
L1081	SCREW, S-TIGHT M3X6 BIND HEAD+	0000 GBM S3060
L1101	SCREW, P-TIGHT 3X10 BIND HEAD+	0000 GBM P3100
L1151	SCREW, SEMS M3X4 PAN HEAD +.	0000 CPM 33040
L1191	SCREW, P-TIGHT M2.6X12ohmASHER HEAD+	0000 GCM P9120
L1321	SCREW, P-TIGHT 3X8 BIND HEAD+.	0000 GBM P3080
L1341	SCREW, P-TIGHT M2.6X8 BIND HEAD+	0000 GBM P9080
L1342	SCREW, P-TIGHT M2.6X6 BIND HEAD+	0000 GBM P9060
L1402	SCREW, P-TIGHT M2X6ohmASHER HEAD+.	0000 GCM P2060
L1403	SCREW, P-TIGHT M3X10ohmASHER HEAD+	0000 GCM P3100
L1406	SCREW, S-TIGHT M2.6X4 CUP HEAD+.	0000 GCM S9040
L1407	SCREW, S-TIGHT M2.6X8 PAN HEAD +	0000 GPM S9080
L1450	SCREW, SEMS M2.6X5 PAN HEAD+	0000 CPM 39050
L1451	SCREW:SLIDER R MK7	0000 VM4 08853

Mode SW CBA (SWV)

	Mode SW CBA (SWV)	
B422	Mode SW CBA (SWV).	0000 VSA 09408
CL281	PARALLELohmIRE 2P AWG26/GREY/UL2651.	WX1N 800 2-001
R281	CARBON RES. 1/4W 3.6K ohm ‘2%.	4835 110 57373
R282	CARBON RES. 1/4W 1.5Kohm ‘2%	4835 110 57186
R283	CARBON RES. 1/4W 10Kohm ‘2%.	4835 110 57214
R284	CARBON RES. 1/4W 22Kohm ‘2%.	4835 110 57283
R285	CARBON RES. 1/4W 470 ohm ‘2%	4835 110 57167
SW281	MODE SWITCH HMW0420-910010	4835 276 17326

Main CBA

Main CBA

Cabinet Parts

Cabinet Parts

MAIN CBA

	MAIN CBA	
	MAIN CBA	000O ESA 03073
C001	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C002	ELECT 100mF/10V ±20%	4835 124 47323
C007	ELECT 4.7mF/50V ±20%	4835 124 47088
C012	CER CAP.(AX) 0.01mF/50V ±10% (B)	CCA1 JKT 0B103
C013	ELECT 1mF/50V ±20%	4835 124 47014
C032	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C040	CER CAP.(AX) 56pF/50V ±5% (SL)	4835 122 47053
C201	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C205	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C208	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C209	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C210	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C211	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C213	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C214	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C215	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C216	ELECT 1mF/50V ±20% H7.	4835 124 47045
C218	CER CAP.(AX) 10pF/50V ±5% (CH)	4835 122 47003
C219	CER CAP.(AX) 15pF/50V ±5% (CH)	4835 122 47085
C220	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C221	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C223	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C225	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C231	ELECT 47mF/16V ±20% H7	4835 124 47073
C240	ELECT 22mF/16V ±20% H7	4835 124 47128
C241	CER CAP.(AX) 0.01mF/25V +80/-20% (F)	4835 125 17009
C242	CER CAP.(AX) 2200pF/16V ±10% (X)	4835 122 47437
C243	ELECT 1mF/50V ±20% H7.	4835 124 47045
C244	CER CAP.(AX) 1000pF/50V ±10% (B)	4835 122 47215
C245	CER CAP.(AX) 560pF/50V ±10% (B).	4835 122 47206
C250	CER CAP.(AX) 0.01mF/16V ±10% (Y)	4835 122 47552
C251	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C252	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C253	CER CAP.(AX) 20pF/50V ±5% (CH)	4835 122 47547
C256	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C258	ELECT 47mF/16V ±20% H7	4835 124 47073
C259	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C264	CER CAP.(AX) 6800pF/16V ±10% (X)	4835 122 97078
C265	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C277	ELECT 22mF/16V ±20%.	4835 124 47175
C278	CER CAP.(AX) 0.1mF/50V +80/-20% (F).	4835 122 47162
C279	ELECT 10mF/50V ±20%.	4835 124 47202
C280	ELECT 22mF/16V ±20%.	4835 124 47175
C281	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C283	PCB JUMPER D0.6-P5.0	0000 00J W5.0T

S = Safety Part Be sure to use exact replacement part.

CCA255AT31 (continued)

C284	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C285	ELECT 22mF/16V ±20% H7	4835 124 47128
C286	ELECT 47mF/16V ±20% H7	4835 124 47073
C287	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C288	ELECT 22mF/16V ±20% LL H7.	4835 124 47175
C290	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C291	CER CAP.(AX) 0.01mF/16V ±10% (Y) . . .	4835 122 47552
C292	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C293	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C294	ELECT 22mF/16V ±20% H7	4835 124 47128
C296	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C299	ELECT 47mF/16V ±20% H7	4835 124 47073
C301	ELECT 22mF/16V ±20%.	4835 124 47175
C302	ELECT 220mF/6.3V ±20%.	4835 124 47168
C304	ELECT 100mF/10V ±20%	4835 124 47323
C305	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C306	CER CAP.(AX) 100pF/50V ±10% (B). . . .	4835 122 47014
C307	CER CAP.(AX) 100pF/50V ±10% (B). . . .	4835 122 47014
C308	CER CAP.(AX) 68pF/50V ±5% (SL)	4835 122 47217
C309	ELECT 1mF/50V ±20%	4835 124 47014
C310	CER CAP.(AX) 0.018mF/6V ±20% (Y) . . .	4835 122 47693
C311	FILM CAP.(P) 0.01mF/50V ±5%.	4835 121 47461
C321	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C322	ELECT 100mF/16V ±20% H7.	4835 124 47033
C323	CER CAP.(AX) 33pF/50V ±5% (SL)	4835 122 47119
C324	ELECT 2.2mF/50V ±20%	4835 124 47086
C325	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C326	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C328	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C329	ELECT 1mF/50V ±20%	4835 124 47014
C330	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C331	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C332	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C336	ELECT 1mF/50V ±20% LL.	4835 124 47305
C343	CER CAP.(AX) 3300pF/16V ±10% (X) . . .	4835 122 47475
C344	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C345	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C346	ELECT 1mF/50V ±20%	4835 124 47014
C348	CER CAP.(AX) 0.015mF/6V ±20% (Y) . . .	4835 122 47675
C349	ELECT 0.47mF/50V ±20% H7	4835 124 47155
C351	CER CAP.(AX) 0.022mF/6V ±30% (Y). . .	4835 122 47694
C354	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C355	ELECT 1000mF/10V ±20%.	4835 124 47163
C356	ELECT 220mF/10V ±20%	4835 124 47292
C357	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C362	ELECT 1mF/50V ±20% H7.	4835 124 47045
C370	ELECT 1mF/50V ±20%	4835 124 47014
C371	ELECT 0.47mF/50V ±20%.	4835 124 47155
C372	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C373	ELECT 0.33mF/50V ±20%.	4835 124 47544
C375	ELECT 0.1mF/50V ±20%	4835 124 47048
C376	CER CAP.(AX) 3300pF/16V ±10% (X) . . .	4835 122 47475
C378	ELECT 1mF/50V ±20% H7.	4835 124 47045
C385	CER CAP.(AX) 47pF/50V ±5% (SL)	4835 122 37017
C386	CER CAP.(AX) 10pF/50V ±5% (SL)	4835 122 47003
C387	ELECT 0.47mF/50V ±20%.	4835 124 47155
C401	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C402	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C403	CER CAP.(AX) 0.012mF/6V ±20% (Y) . . .	4835 122 47692
C404	ELECT 10mF/16V ±20% H7	4835 124 47268
C405	ELECT 4.7mF/25V ±20% H7.	4835 124 47481
C406	CER CAP.(AX) 2700pF/16V ±10% (X) . . .	4835 122 47538
C407	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C408	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
C410	ELECT 1mF/50V ±20% H7.	4835 124 47045
C411	ELECT 100mF/6.3V ±20% H7	4835 124 47263
C412	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C414	CER CAP.(AX) 390pF/50V ±10% (B). . . .	4835 122 47041
C415	CER CAP.(AX) 18pF/50V ±5% (SL)	4835 122 47086
C416	CER CAP.(AX) 180pF/50V ±10% (B). . . .	4835 122 17015
C417	CER CAP.(AX) 22pF/50V ±5% (SL)	4835 122 37016
C418	ELECT 1mF/50V ±20% H7.	4835 124 47045
C420	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
C421	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
C422	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C425	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C427	ELECT 0.1mF/50V ±20% H7.	4835 124 47048
C429	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C430	ELECT 10mF/16V ±20% H7	4835 124 47268
C431	ELECT 1mF/50V ±20% H7.	4835 124 47045
C432	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C434	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C435	ELECT 1mF/50V ±20% H7.	4835 124 47045
C436	ELECT 1mF/50V ±20% H7.	4835 124 47045
C437	ELECT 1mF/50V ±20% H7.	4835 124 47045
C438	ELECT 22mF/6.3V ±20%	4835 124 47238
C440	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C441	CER CAP.(AX) 820pF/50V ±10% (B). . . .	4835 122 47405
C443	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C444	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C445	ELECT 47mF/6.3V ±20%	4835 124 47265
C446	CER CAP.(AX) 0.033mF/16V +80/-20% (F).	4835 122 47288
C447	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C448	ELECT 100mF/6.3V ±20% H7	4835 124 47263
C450	ELECT 1mF/50V ±20% H7.	4835 124 47045
C451	ELECT 1mF/50V ±20% H7.	4835 124 47045
C452	CER CAP.(AX) 3900pF/16V ±10% (X) . . .	4835 122 47677
C453	ELECT 1mF/50V ±20% H7.	4835 124 47045
C454	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C455	ELECT 0.47mF/50V ±20% H7	4835 124 47155
C456	ELECT 10mF/16V ±20% H7	4835 124 47268
C460	CER CAP.(AX) 0.047mF/16V +80/-20% (F).	4835 122 47603
C461	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C463	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C464	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C465	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C467	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C468	ELECT 33mF/6.3V ±20% H7.	4835 124 47169
C470	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C471	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
C474	ELECT 1mF/50V ±20% H7.	4835 124 47045
C476	ELECT 4.7mF/25V ±20% H7.	4835 124 47481
C477	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C478	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C480	ELECT 47mF/6.3V ±20% H7.	4835 124 47154
C481	ELECT 220mF/6.3V ±20% H7	4835 124 47186
C483	CER CAP. 470pF/100V ±10% (B)	4835 122 47691
C484	FILM CAP.(P) 0.018mF/100V ±5%.	4835 121 47665
C490	ELECT 10mF/16V ±20% H7	4835 124 47268
C496	CER CAP.(AX) 0.01mF/16V ±10% (Y) . . .	4835 122 47552
C497	CER CAP.(AX) 0.022mF/25V +80/-20% (F).	4835 122 47214
C498	ELECT 22mF/6.3V ±20% H7.	4835 124 47238
C499	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C621	ELECT 47mF/16V ±20%.	4835 124 47073
C630	ELECT 10mF/50V ±20%.	4835 124 47202
C632	ELECT 220mF/6.3V ±20%.	4835 124 47168
C636	ELECT 100mF/16V ±20%	4835 124 47033
C637	ELECT 47mF/16V ±20% H7	4835 124 47073
C801	SEMI CAP 0.033mF/25V ±10% (YR)	4835 122 47288
C802	ELECT 0.47mF/50V ±20% H7	4835 124 47155
C803	ELECT 47mF/10V ±20% H7	4835 124 47154
C805	ELECT 330mF/16V ±20%	4835 124 47008
C807	ELECT 470mF/16V ±20%	4835 124 47286
C808	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
C809	CER CAP.(AX) 0.01mF/25V +80/-20% (F) .	4835 125 17009
CN202	CONNECTOR 8P TMC-J08P-A1	J3TM A08 TG002
CN301	CONNECTOR BASE 5P TUC-P05P-B1.	J3TU A05 TG001
CN303	CONNECTOR BASE 7P TUC-P07P-B1.	J3TU A07 TG001
CN304	CONNECTOR BASE 5P TUC-P05P-B1.	J3TU A05 TG001
CN471	FFC CONNECTOR BASE TOP 6P 9604S-06C. .	JC04 J06 ER002
CN603	CONNECTOR BASE 14P TUC-P14P-B1	J3TU A14 TG001
CN752	CARBON RES. 1/4W J 10kohm.	4835 110 57026
CN801	STRAIGHT CONNECTOR BASE.	J383 C02 UG002
CN851	FFC CONNECTOR BASE TOP 17P 9604S-17C .	JC04 J17 ER002
CN852	CABLE CONNECTOR 2P TMC-E02X-A1	4835 263 97018
D029	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D201	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
D204	ZENER DIODE MTZJT-776.2B	4835 130 37593
D206	ZENER DIODE MTZJT-775.6B	4835 130 37329
D209	LED SIR-56ST3F-M	4835 130 87154
D211	LED LTL-4214M1	4835 130 87149
D216	ZENER DIODE MTZJT-775.6B	4835 130 37329
D217	ZENER DIODE MTZJT-775.6B	4835 130 37329
D220	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D221	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D222	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D227	ZENER DIODE MTZJT-775.6B	4835 130 37329
D250	ZENER DIODE MTZJT-775.6B	4835 130 37329
D293	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D295	ZENER DIODE MTZJT-775.6B	4835 130 37329
D296	ZENER DIODE MTZJT-775.6B	4835 130 37329
D298	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D302	ZENER DIODE MTZJT-776.2B	4835 130 37593
D303	ZENER DIODE MTZJT-778.2B	4835 130 37963
D304	ZENER DIODE MTZJT-778.2B	4835 130 37963
D305	ZENER DIODE MTZJT-778.2B	4835 130 37963
D307	ZENER DIODE MTZJT-778.2B	4835 130 37963
D308	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D311	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
D321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
D322	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D323	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D324	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D325	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D371	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D399	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D401	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D441	ZENER DIODE MTZJT-775.6B	4835 130 37329
D620	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
D630	ZENER DIODE MTZJT-776.8A	4835 130 37971
S D636	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S D637	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
D638	ZENER DIODE MTZJT-776.2A	4835 130 37959
D640	SWITCHING DIODE 1SS133(T-77)	4835 130 37235

S = Safety Part Be sure to use exact replacement part.

CCA255AT31 (continued)

	D641	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D645	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D646	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D648	ZENER DIODE MTZJT-776.2A	4835 130 37959
S	D650	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D652	ZENER DIODE MTZJT-7718B.	4835 130 37784
S	D801	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	IC201	MICROCOMPUTER 16BIT M37760MCA8A5GP . .	4835 209 17635
	IC202	IC:MEMORY BR24C04F	4835 209 47444
	IC203	IC:RESET BMR-0101C	4835 209 47438
S	IC204	IC BA6955N	4835 209 47404
	IC207	IC:OP-AMP. LM324N.	4835 209 87763
S	IC301	IC:CHROMA/IF 1 CHIP M52772FP	4835 209 47435
	IC401	IC:Y/C/A LA71077M.	4835 209 47439
S	IC602	IC:VOLTAGE REGULATOR 5V KIA7805PI. . .	4835 209 88129
	IC801	IC TDA7231A.	4835 209 88115
	L001	INDUCTOR 100mH-J-5FT	4835 157 57798
	L002	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L040	INDUCTOR 18mH-J-26T.	4835 157 58179
	L201	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L246	INDUCTOR 0.1mH-M-26T	4835 157 58236
	L250	INDUCTOR 1.0mH-J-26T	4835 157 58144
	L303	INDUCTOR 100mH-J-5FT	4835 157 57798
	L321	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L361	INDUCTOR 12mH-J-26T.	4835 157 58071
	L362	INDUCTOR 18mH-J-26T.	4835 157 58179
	L391	INDUCTOR 2.2mH-J-26T	4835 157 57639
	L422	INDUCTOR 100mH-J-26T	4835 157 57644
	L423	INDUCTOR 100mH-J-26T	4835 157 57644
	L442	INDUCTOR 22mH-J-26T.	4835 157 57641
	L470	INDUCTOR 22mH-J-26T.	4835 157 57641
	L481	INDUCTOR 47mH-K-5FT.	4835 157 57375
	L482	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L602	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L833	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	L849	INDUCTOR 0.47mH-J-26T.	4835 157 58018
	Q201	RESET KTC3199(GR) NPN.	4835 130 47914
	Q202	PHOTO END-SENSOR ST-319R2-B.	4835 130 48138
	Q203	PHOTO START -SENSOR ST-319R2-B. . . .	4835 130 48138
	Q204	PHOTO T-REELSENSOR ST-319R2-B.	4835 130 48138
	Q210	SWITCHING KTC3199(GR) NPN.	4835 130 47914
	Q309	SWITCHING KTC3199(GR) NPN	4835 130 47914
	Q310	BUFFER KTA1267(GR) PNP	4835 130 47913
	Q311	SWITCHING 2SC2482 TPE6 NPN.	4835 130 48046
	Q312	SWITCHING KTC3199(GR) NPN	4835 130 47914
	Q313	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q314	AMP KTC3199(GR) NPN.	4835 130 47914
	Q315	AMP KTC3199(GR) NPN.	4835 130 47914
	Q422	BUFFER KTA1267(GR) PNP	4835 130 47913
	Q431	AMP KTA1267(GR) PNP.	4835 130 47913
	Q441	BUFFER KTC3199(GR) NPN	4835 130 47914
	Q481	SWITCHING 2SA1317(U) PNP.	4835 130 47422
	Q482	BIAS OSC2SC2120-O(TPE2) NPN.	4835 130 47756
	Q483	SWITCHING 2SC3331(T) NPN.	4835 130 47549
	Q484	SWITCHING 2SC3331(T) NPN.	4835 130 47549
	Q485	RES. BUILT-IN TRANSISTOR KRA103M PNP .	4835 130 47907
	Q499	RES. BUILT-IN TRANSISTOR KRC103M NPN .	4835 130 47909
S	Q615	+5V REGULATOR KTC3199(GR) NPN.	4835 130 47914
S	Q617	+5V REGULATOR 2SD400(F) NPN.	4835 130 47433
S	Q618	+5V REGULATOR KTC3199(GR) NPN.	4835 130 47914
S	Q619	+5V REGULATOR KTC3199(GR) NPN	4835 130 47914
	Q703	AMP KTA1267(GR) PNP.	4835 130 47913
	Q801	AUDIO MUTE KTC3199(GR) NPN	4835 130 47914
	J298	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R001	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R002	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R003	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R011	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R012	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R030	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R031	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R100	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R101	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R102	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R103	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R104	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R105	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R106	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R107	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R108	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R109	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R110	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R201	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R202	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R203	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R205	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R206	CARBON RES. 1/4W ±5% 820kohm	4835 110 57344
	R207	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R208	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R209	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053
	R215	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R217	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R218	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R219	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R220	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R221	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R222	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R223	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R224	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R226	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R227	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
	R228	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R229	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R231	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R233	CARBON RES. 1/4W ±5% 10Mohm.	4835 110 57288
	R234	CARBON RES. 1/4W ±5% 470kohm	4835 110 57225
	R239	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R242	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R243	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R244	CARBON RES. 1/4W ±5% 1Mohm	4835 110 57272
	R245	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R246	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R249	CARBON RES. 1/4W ±5% 68kohm.	4835 110 57168
	R250	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R251	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R252	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R253	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R254	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R255	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R256	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R257	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R258	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R259	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R260	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S	R265	METAL RESISTOR 1W ±5% 2.7ohm	4835 116 57346
	R266	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R267	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R268	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R269	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
	R270	CARBON RES. 1/4W ±5% 39ohm	4835 110 57188
	R271	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R273	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053
	R274	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R275	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R276	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R277	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R278	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R280	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R281	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R282	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R283	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R284	CARBON RES. 1/4W ±5% 39kohm.	4835 110 57262
	R285	CARBON RES. 1/4W ±5% 220kohm	4835 110 57208
	R286	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R287	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R288	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R289	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R291	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054
	R292	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R293	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R296	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R301	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R302	CARBON RES. 1/4W ±5% 390kohm	4835 110 57263
	R303	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R304	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R305	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R306	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R307	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R309	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R310	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R311	CARBON RES. 1/4W ±5% 390kohm	4835 110 57263
	R314	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R316	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R317	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
	R321	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R323	CARBON RES. 1/4W ±5% 330kohm	4835 110 57197
	R324	CARBON RES. 1/4W ±5% 27kohm.	4835 111 37182
	R325	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
	R326	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R327	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R328	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R329	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R330	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R331	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R332	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R333	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R334	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R335	CARBON RES. 1/4W ±5% 22ohm	4835 110 57036
	R337	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R338	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R343	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R344	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R347	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R348	CARBON RES. 1/4W ±5% 680ohm.	4835 110 57054

S = Safety Part Be sure to use exact replacement part.

CCA255AT31 (continued)

	R350	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R352	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R354	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R355	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R363	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R366	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R367	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R368	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
	R369	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R371	CARBON RES. 1/4W ±5% 10Mohm.	4835 110 57288
	R373	CARBON RES. 1/4W ±5% 560kohm	4835 110 57053
	R375	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R376	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R377	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R378	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R379	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R380	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R381	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R382	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R383	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R384	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R386	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R387	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R388	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R394	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R395	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R396	CARBON RES. 1/4W ±5% 330kohm	4835 110 57197
	R401	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R402	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R403	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R404	CARBON RES. 1/4W ±5% 330kohm	4835 110 57197
	R405	CARBON RES. 1/4W ±5% 120ohm.	4835 110 57217
	R406	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
	R407	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R408	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R409	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R410	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R411	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R413	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R414	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R415	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R416	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R417	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R419	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R423	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R424	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R425	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R426	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R427	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R428	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R429	CARBON RES. 1/4W ±5% 12kohm.	4835 110 57282
	R430	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R432	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R433	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R434	CARBON RES. 1/4W ±5% 3.3Mohm	4835 110 57047
	R435	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R436	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R437	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R438	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R439	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R440	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R441	CARBON RES. 1/4W ±5% 180ohm.	4835 110 57219
	R442	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
	R443	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R444	CARBON RES. 1/4W ±5% 1.5Mohm	4835 110 57207
	R445	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R450	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R451	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
	R452	CARBON RES. 1/4W ±5% 2.2Mohm	4835 110 57039
	R453	CARBON RES. 1/4W ±5% 27kohm.	4835 111 37182
	R454	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
	R460	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R461	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R462	CARBON RES. 1/4W ±5% 2kohm	4835 110 57253
	R464	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R465	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R466	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R467	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R468	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R469	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R480	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R481	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
	R482	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R483	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R484	CARBON RES. 1/4W ±5% 2.7kohm	4835 110 57006
	R485	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R486	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R487	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R499	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R619	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S	R626	CARBON RES. 1/4W ±5% 12ohm	4835 110 57252
S	R627	CARBON RES. 1/4W ±5% 15ohm	4835 110 57177
S	R628	METAL RESISTOR 2W ±5% 68ohm.	4835 116 57573
S	R629	METAL RESISTOR 2W ±5% 68ohm.	4835 116 57573
	R654	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R663	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S	R665	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
	R666	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
S	R667	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
S	R672	METAL RES. 2W ±5% 12ohm.	4835 116 57075
	R674	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R701	CARBON RES. 1/4W ±5% 75ohm	4835 110 57056
	R702	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R703	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R709	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R710	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R801	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R803	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R806	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
S	R807	METAL FILM RES.(STRAIGHT)1W ±5% 12ohm.	4835 116 57639
S	R808	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R811	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
	R812	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
	R849	CARBON RES. 1/2W ±5% 100ohm.	4835 110 47085
	SW101	TACT SWITCH SKQSAB	4835 276 17331
	SW102	TACT SWITCH SKQSAB	4835 276 17331
	SW103	TACT SWITCH SKQSAB	4835 276 17331
	SW104	TACT SWITCH SKQSAB	4835 276 17331
	SW105	TACT SWITCH SKQSAB	4835 276 17331
	SW106	TACT SWITCH SKQSAB	4835 276 17331
	SW107	TACT SWITCH SKQSAB	4835 276 17331
	SW108	TACT SWITCH SKQSAB	4835 276 17331
	SW109	TACT SWITCH SKQSAB	4835 276 17331
	SW110	TACT SWITCH SKQSAB	4835 276 17331
	SW201	PUSH SWITCH SPPB61066A	4835 276 17213
	T301	VCO COIL KHI-821023.	4835 140 67127
	X201	CRYSTAL OSCILLATOR HC-49/U	4835 242 77326
	X202	CRYSTAL OSCILLATOR 32kHz(10PPM).	4835 242 77091
	X301	CER RESONATOR CSB503F18.	4835 242 77226
	X321	CRYSTAL OSCILLATOR 3.579545 MHz.	4835 242 77308
	X401	CRYSTAL OSCILLATOR 3.579545MHz	4835 242 77093
	TB3	HEAD SHIELD.	0000 EM3 01241
	TB5	BUSH LED(E).	0000 VM4 08832
	TB16	BUSH LED(D).	0000 VM4 08655
	TB21	CLOTH(10X15XT1.0).	0000 EM4 03762
	CF301	CER FILTER SFSH4.5MCB.	4835 153 97029
	CF302	CER TRAP TPS4.5MB2	4835 153 97048
	CL401	LEADohmIRE BLACK UL1007 AWG24 35MM	WX30 01A 4FF04
	JK701	RCA JACK 1P AV-8.4-9Y.	4835 265 97455
	JK702	RCA JACK 1P AV-8.4-9W.	4835 265 97456
	JK801	EARPHONE JACK HTJ-035-1ZEBTZ	4835 265 97306
	RS201	REMOTE RECEIVER UNIT PIC-26042SR	4835 210 27056
	SF003	SAW FILTER TSF5229P.	4835 153 97062
	TU001	TUNER UNIT TEDH9-002A.	4835 210 47107

Power Supply/H.V. CBA

Power Supply/H.V. CBA

	C552	FILM CAP.(P) 0.1mF/50V ±5%	4835 122 47451
	C553	ELECT 1mF/50V ±20% LL.	4835 124 47305
	C555	ELECT 47mF/35V ±20%.	4835 124 97066
	C556	ELECT 1000mF/25V ±20%.	4835 124 47007
	C557	ELECT 2.2mF/50V ±20% LL.	4835 124 47183
	C558	CER CAP.(AX) 0.01mF/50V ±10% (B)	CCA1 JKT 0B103
	C559	ELE. CAP. 330mF/35V ±20%	4835 124 47666
	C560	FILM CAP.(P) 0.056mF/50V ±5%	4835 121 47439
S	C571	METAL FILM. 0.47mF/200V ±5%.	4835 121 47449
S	C574	ELECT 4.7mF/250V	4835 124 47465
	C577	CER CAP. 2200pF/500V ±10% (B).	4835 122 47057
	C578	ELECT 1mF/160V	4835 124 47516
S	C580	METAL FILM. 0.01mF/1.6kV ±5%	4835 121 47622
S	C581	CER CAP. LB 680pF/2kV.	4835 122 47514
S	C584	ELECT 1mF/160V	4835 124 47516
S	C591	ELECT 1mF/50V ±20%	4835 124 47305
S	C592	ELECT 47mF/35V ±20%.	4835 124 97066
S	C601	CER CAP. LB 470pF/2kV.	4835 122 47642
	C603	STACKED FILM CAP. 0.12mF/50V ±5%	4835 121 47575
S	C605	FILM CAP.(MP) 0.1mF/250V ±20%.	4835 121 47025
	C606	CER CAP. LB 560pF/2kV.	4835 122 47503
	C607	CER CAP. LB 330pF/2kV.	4835 122 47573
	C608	FILM CAP.(P) 0.015mF/50V ±5%	4835 121 47517
S	C609	ELECT 470mF/200V ±20%ohm/F	4835 124 47097
	C610	CER CAP. 0.01mF/500V +80/-20% (F).	4835 122 47601
	C611	CER CAP. 0.01mF/500V +80/-20% (F).	4835 122 47601
	C612	CER CAP. 0.01mF/500V +80/-20% (F).	4835 122 47601
	C613	CER CAP. 0.01mF/500V +80/-20% (F).	4835 122 47601
S	C614	CER CAP. SAFETY 4700pF CS.	4835 122 97098
S	C615	CER CAP. SAFETY 4700pF CS.	4835 122 97098
	C616	FILM CAP.(P) 0.056mF/50V ±5%	4835 121 47439
S	C617	CER CAP. SAFETY 4700pF CS.	4835 122 97098
S	C618	CER CAP. SAFETY 4700pF CS.	4835 122 97098
S	C620	ELECT 470mF/35V ±20%	4835 124 47069
	C621	FILM CAP.(P) 0.027mF/50V ±5%	4835 121 47576
	C622	ELECT 100mF/160V ±20%.	4822 124 22663
	C623	ELECT 1000mF/16V ±20%.	4835 124 47005

S = Safety Part Be sure to use exact replacement part.

CCA255AT31 (continued)

	C624	ELECT 1000mF/16V ±20%.	4835 124 47005
S	C626	CER CAP. LB 470pF/2kV.	4835 122 47642
	C627	CER CAP. 0.01mF/50V +80/-20% (F) . . .	4835 122 37011
S	C628	ELECT 47mF/200V ±20%(105C)	4835 124 47746
	C631	FILM CAP.(P) 0.1mF/50V ±5%	4835 122 47451
	C634	ELECT 100mF/16V ±20%	4835 124 47033
S	C635	ELECT 47mF/16V ±20%.	4835 124 47073
	C638	ELECT 47mF/50V ±20%.	4835 124 47507
	C639	ELECT 22mF/50V ±20%.	4835 124 47051
	C643	CER CAP.(AX) 220pF/50V ±10% (B). . . .	4835 122 47006
	C645	PCB JUMPER D0.6-P10.0.	0000 0JW 10.0T
	C652	ELECT 1000mF/16V ±20%.	4835 124 47005
	CN502	CONNECTOR 7P TUC-P07X-B1	JCTU S07 TG001
	CN504	CONNECTOR 5P TUC-P05X-B1	JCTU S05 TG001
	CN571	CONNECTOR BASE 5P TV-50P-05-V2	J3TV C05 TG002
	CN601	CONNECTOR BASE 2P TV-50P-02-V2	J3TV C02 TG002
	CN604	CONNECTOR 14P TUC-P14X-B1.	JCTU S14 TG001
	D552	RECTIFIER DIODE ERA15-02	4835 130 37515
	D555	ZENER DIODE MTZJT-7720B.	4835 130 37965
	D571	PCB JUMPER D0.6-P15.0.	0000 0JW 15.0T
S	D572	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D584	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D585	ZENER DIODE MTZJT-776.2B	4835 130 37593
S	D591	ZENER DIODE MTZJT-7730B.	4835 130 37335
S	D595	ZENER DIODE MTZJT-7724C.	4835 130 37984
	D596	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D597	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D598	RECTIFIER DIODE ERA22-02	4835 130 37788
	D602	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D603	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D604	ZENER DIODE MTZJT-776.2B	4835 130 37593
	D605	FAST RECOVERY DIODE ERB44-08	4835 130 37612
S	D606	ZENER DIODE MTZJT-7720C.	4835 130 37983
	D607	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D609	DIODE RRC04-06L3	4835 130 37986
S	D610	DIODE RRC04-06L3	4835 130 37986
S	D611	DIODE RRC04-06L3	4835 130 37986
S	D612	DIODE RRC04-06L3	4835 130 37986
S	D614	ZENER DIODE MTZJT-776.8B	4835 130 37881
S	D615	RECTIFIER DIODE ERA22-02	4835 130 37788
S	D616	SWITCHIMG 1ZC33.	4835 130 37958
S	D617	SCHOTTKY BARRIER DIODE ERB83-006 . . .	4835 130 37896
S	D618	SCHOTTKY BARRIER DIODE ERB83-006 . . .	4835 130 37896
S	D619	SCHOTTKY BARRIER DIODE ERB83-006 . . .	4835 130 37896
S	D621	SWITCHING ERD29-06J.	4835 130 37987
S	D623	ZENER DIODE MTZJT-7724C.	4835 130 37984
	D625	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D626	ZENER DIODE MTZJT-7736A.	4835 130 37785
	D632	ZENER DIODE MTZJT-779.1A	4835 130 37506
	D633	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D634	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D635	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D639	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D640	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D641	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D642	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D643	ZENER DIODE MTZJT-772.2B	4835 130 37961
	D644	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D645	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D655	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	D660	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
S	IC551	VERTICAL OUTPUT IC AN5539.	4835 209 47445
S	IC601	PHOTOCOUPLER LTV-817B-F.	4835 130 37977
S	L571	LINEARITY COIL SCC-16mH.	4835 157 58187
S	L572	INDUCTOR 33mH-K-26T.	4835 157 57373
S	L601	LINE FILTER 15mH	4835 153 97057
	L602	CHOKE COIL 47mH-K.	4835 157 58208
	Q551	SWITCHING KTC3199(GR) NPN	4835 130 47914
	Q552	SWITCHING KTC3199(GR) NPN	4835 130 47914
S	Q571	H. OUTPUT 2SD2578 NPN.	4835 130 48169
S	Q572	H. DR 2SC2482 TPE6 NPN	4835 130 48046
S	Q591	SWITCHING KTC3199(GR) NPN	4835 130 47914
S	Q601	FET 2SK2638-01MR	4835 130 48168
S	Q602	LIMITER 2SC2120-O(TPE2) NPN.	4835 130 47756
	Q605	FEED BACK KTC3199(GR) NPN.	4835 130 47914
	Q609	SWITCHING KTC3199(GR) NPN	4835 130 47914
	Q610	+9V REGULATOR 2SB698(G) PNP.	4835 130 47915
	Q613	SWITCHING KTC3199(GR) NPN	4835 130 47914
	Q614	SWITCHING KTC3199(GR) NPN	4835 130 47914
S	Q616	+8V REGULATOR KTC3199(GR) NPN.	4835 130 47914
	Q618	SWITCHING KTC3199(GR) NPN	4835 130 47914
	R551	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R552	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R553	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R554	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R555	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
S	R556	CARBON RES. 1/4W ±5% 4.7ohm.	4835 110 57212
	R557	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R558	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R559	CARBON RES. 1/4W ±5% 270ohm.	4835 110 57041
	R560	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R561	CARBON RES. 1/4W ±5% 15kohm.	4835 110 57032
	R562	CARBON RES. 1/4W ±5% 3.3ohm.	4835 110 57026
	R563	CARBON RES. 1/4W ±5% 3.3ohm.	4835 110 57026
	R564	CARBON RES. 1/4W ±5% 1.2kohm	4835 110 57027
	R565	CARBON RES. 1/4W ±5% 3.3ohm.	4835 110 57026
S	R566	METAL RES. 1W ±5% 4.7ohm RSS-SMF P=15.	4835 116 67123
	R569	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R570	METAL RESISTOR 1W ±5% 1kohm.	4835 116 67153
	R572	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R573	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
S	R574	METAL RESISTOR 2W ±5% 1kohm.	4835 116 57057
S	R575	METAL RESISTOR 2W ±5% 1kohm.	4835 116 57057
	R576	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R577	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R578	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R579	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R581	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
S	R582	CARBON RES. 1/4W ±5% 1ohm.	4835 110 57229
S	R583	METAL RESISTOR 2W ±5% 3.9ohm	4835 116 57794
S	R584	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R585	CARBON RES. 1/4W ±5% 8.2kohm	4835 110 57264
	R586	CARBON RES. 1/4W ±5% 390kohm.	4835 110 57263
	R587	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R588	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R590	CEMENT RESISTOR 5W K 1.8kohm H=25MM. .	4835 112 27041
S	R591	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
	R592	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
S	R593	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
S	R594	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R595	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R596	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
S	R597	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
S	R598	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
S	R599	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R601	CARBON RES. 1/4W ±5% 680kohm	4835 110 57227
	R602	CARBON RES. 1/4W ±5% 1Mohm	4835 110 57272
S	R604	METAL RESISTOR 2W ±5% 68kohm	4835 116 67216
S	R605	METAL RESISTOR 2W ±5% 68kohm	4835 116 67216
S	R606	CARBON RES. 1/4W ±5% 68ohm	4835 110 57248
S	R607	METAL RESISTOR 2W ±5% 220ohm	4835 116 57792
	R608	CARBON RES. 1/4W ±5% 10ohm	4835 110 57002
S	R609	METAL RESISTOR 2W ±5% 220ohm	4835 116 57792
	R614	CARBON RES. 1/4W ±5% 1kohm	4835 110 57025
	R615	CARBON RES. 1/4W ±5% 4.7kohm	4835 110 57051
S	R618	METAL RES. 2W ±5% 0.22ohm.	4835 116 67123
	R619	CARBON RES. 1/4W ±5% 3.9ohm.	4835 110 57281
	R620	CARBON RES. 1/4W ±5% 330ohm.	4835 110 57045
	R622	CARBON RES. 1/4W ±5% 1Mohm	4835 110 57272
	R624	PCB ±5%UMPER D0.6-P5.0	0000 00J W5.0T
	R625	CARBON RES. 1/4W ±5% 47ohm	4835 110 57019
S	R626	CEMENT RESISTOR 10W ±5% 1.2ohm H=10MM.	4835 112 37035
	R627	CARBON RES. 1/2W ±5% 3.3Mohm	4835 110 47117
S	R630	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
S	R631	CARBON RES. 1/4W ±5% 5.6kohm	4835 110 57304
	R639	CARBON RES. 1/4W ±5% 470ohm.	4835 110 57167
	R640	CARBON RES. 1/4W ±5% 220ohm.	4835 110 57037
	R641	CEMENT RESISTOR 7W K 3.9kohm	4835 112 27047
	R642	METAL RESISTOR 2W ±5% 6.8kohm.	4835 116 67303
	R643	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R644	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
S	R645	CARBON RES. 1/4W ±5% 820ohm.	4835 110 57059
S	R646	CARBON RES. 1/4W ±5% 39kohm.	4835 110 57262
S	R647	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
S	R648	CARBON RES. 1/4W ±5% 22kohm.	4835 110 57038
S	R649	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
	R650	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
S	R651	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R652	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R653	CARBON RES. 1/4W ±5% 56kohm.	4835 110 57213
	R655	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R656	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
S	R668	CARBON RES. 1/2W ±5% 10ohm	4835 110 47102
S	R669	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R670	CARBON RES. 1/4W ±5% 100ohm.	4835 110 57003
	R671	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	R673	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R674	CARBON RES. 1/4W ±5% 27kohm.	4835 111 37182
	R677	CARBON RES. 1/4W ±5% 33kohm.	4835 110 57211
	R678	CARBON RES. 1/4W ±5% 220kohm	4835 110 57208
	R679	CARBON RES. 1/4W ±5% 47kohm.	4835 110 57189
	R680	METAL RESISTOR 2W ±5% 680ohm	4835 116 57161
S	R681	CARBON RES. 1/4W ±5% 18kohm.	4835 110 57034
	R682	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R683	CARBON RES. 1/4W ±5% 6.8kohm	4835 110 57193
	R684	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
S	R685	CARBON RES. 1/4W ±5% 560ohm.	4835 110 57052
S	R686	CARBON RES. 1/4W ±5% 82ohm	4835 110 57274
S	T571	FLYBACK TRANS BSC25-2094S.	4835 148 87364
S	T572	H. DR TRANS OX060927	4835 148 87365
S	T601	SWITCHING TRANS SA-80801E.	4835 148 87391
	VR601	CARBON P.O.T. 10kohm B	4835 100 97516
	BC571	BEAD INDUCTOR FBA04HA600VB-00.	LLBF 00S TU026
	BC601	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021

S = Safety Part Be sure to use exact replacement part.

CCA255AT31 (continued)

	BC602	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC603	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC604	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC605	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC606	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	BC607	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	BC608	PCB JUMPER D0.6-P5.0	0000 00J W5.0T
	BC609	BEAD INDUCTOR FBR07HA121TB-00.	LLBF 00Z TU021
	CL502A	LEADohmIRE 7P 320/BLA/AWG26#2468 . . .	WX30 07J 65532
	CL603A	LEADohmIRE 7P 160/BLA/AWG26#2468 . . .	WX30 07J 65516
	CL603B	LEADohmIRE 7P 160/BLA/AWG26#2468 . . .	WX30 07J 65516
	DL2	B-TITE SCREW 3X8 BIND + CHROME	0000 GBM B3080
	DL3	B-TITE SCREW 3X8 BIND + CHROME	0000 GBM B3080
S	F601	FUSE 4A/125V 237 TYPE.	4835 253 97153
	FH601	FUSE HOLDER MSF-015.	XH01 Z00 LY001
	FH602	FUSE HOLDER MSF-015.	XH01 Z00 LY001
S	PS602	POSISTOR ZPB58BL7R0F	4835 100 97281
S	RL601	POWER RELAY SDT-SS-112DM	4835 280 97034
S	SA601	SURGE ABSORBER JVR-07N471K	4835 252 27024
S	SG601	GAP. G3.10D.	4835 252 27023
	TB12	WASHER 12X3.2XT1	0000 0WP M3121
	TP591	PCB JUMPER D0.6-P7.5	0000 00J W7.5T
	TP592	PCB JUMPER D0.6-P7.5	0000 00J W7.5T
	TP601	PCB JUMPER D0.6-P12.5.	0000 0JW 12.5T
	TP602	PCB JUMPER D0.6-P10.0.	0000 0JW 10.0T
S	W601	AC CORD 9806190.	4835 321 17101
	WH501A	WIRE HOLDER 3P HWT0200-03.	XW0H T03 C7001
	WH502A	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
	WH502B	WIRE HOLDER 7P HWT0200-07.	XW0H T07 C7001
	WH504B	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001
	WH603A	WIRE HOLDER 14P HWT0200-14	XW0H T14 C7001
	WH603B	WIRE HOLDER 14P HWT0200-14	XW0H T14 C7001

CRT CBA

		CRT CBA	
	C501	CER CAP.(AX) 270pF/50V ±10% (B). . . .	4835 122 47122
	C502	CER CAP.(AX) 180pF/50V ±10% (B). . . .	4835 122 17015
	C503	CER CAP.(AX) 270pF/50V ±10% (B). . . .	4835 122 47122
	C504	ELECT 47mF/16V ±20%.	4835 124 47073
	C510	CER CAP. 0.001mF/2kV	4835 122 37048
	CN501	PIN CONNECTOR 005P-5100.	JTEA 001 TG001
	D501	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D502	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	D503	SWITCHING DIODE 1SS133(T-77)	4835 130 37235
	L501	INDUCTOR 180mH-K-5FT	4835 157 57372
	Q501	RED AMP 2SC2482 TPE6 NPN	4835 130 48046
	Q502	GREEN AMP 2SC2482 TPE6 NPN.	4835 130 48046
	Q503	BLUE AMP 2SC2482 TPE6 NPN.	4835 130 48046
S	R501	METAL RESISTOR 2W ±5% 15kohm	4835 116 57041
S	R502	METAL RESISTOR 2W ±5% 15kohm	4835 116 57041
S	R503	METAL RESISTOR 2W ±5% 15kohm	4835 116 57041
	R504	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R505	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R506	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R507	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R508	CARBON RES. 1/4W ±5% 1.8kohm	4835 110 57033
	R511	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R512	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R513	CARBON RES. 1/4W ±5% 2.2kohm	4835 110 57079
	R514	CARBON RES. 1/4W ±5% 1.5kohm	4835 110 57186
	R516	CARBON RES. 1/4W ±5% 33ohm	4835 110 57044
	R517	CARBON RES. 1/4W ±5% 620ohm.	4835 110 57156
	R520	CARBON RES. 1/4W ±5% 33ohm	4835 110 57044
	R519	CARBON RES. 1/4W ±5% 620ohm.	4835 110 57156
	R521	CARBON RES. 1/4W ±5% 620ohm.	4835 110 57156
	R531	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R532	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	R536	CARBON RES. 1/4W ±5% 100kohm	4835 110 57185
	CL501A	LEADohmIRE 3P 500/BLA/AWG26#2468 . . .	WX30 03J 65550
	CL504A	LEADohmIRE 5P 400/BLA/AWG26#2468 . . .	WX30 05J 65540
S	JK501	CRT SOCKET ISHS40ST.	4835 265 97461
	TP501	PCB JUMPER D0.6-P12.5.	0000 0JW 12.5T
	WH501B	WIRE HOLDER 3P HWT0200-03.	XW0H T03 C7001
	WH504A	WIRE HOLDER 5P HWT0200-05.	XW0H T05 C7001

Remote Locator CBA

		Remote Locator CBA	
		REMOTE LOCATOR CBA	0000 ESA 03014
	C831	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
	C832	ELECT 10mF/16V ±20%.	4835 124 47268
	C833	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
	C835	CER CAP.(AX) 4.7pF/50V ±10% (CH) . . .	4835 122 47052
	C836	CER CAP.(AX) 2.7pF/50V ±10% (CH) . . .	4835 122 47684
	C837	CER CAP.(AX) 1000pF/50V ±10% (B) . . .	4835 122 47215
	C838	CER CAP.(AX) 2200pF/16V ±20% (X) . . .	4835 124 47006
	C839	CER CAP.(AX) 10pF/50V ±5% (CH)	4835 122 47003
	C840	CER CAP.(AX) 2.2pF/50V ±10% (UJ) . . .	4835 122 47578
	C841	CER CAP.(AX) 0.1mF/50V +80/-20% (F). .	4835 122 47162
	CN831	CONECTOR 3P(2.0MM PITCH)TKX-P03P-C1. .	J3TX C03 TG001
	CN832	CONECTOR 3P(2.0MM PITCH)TKX-P03P-C1. .	J3TX C03 TG001
	D831	ZENER DIODE MTZJT-779.1B	4835 130 37506
	L832	INDUCTOR 330mH-K-26T	4835 157 57663
	L833	INDUCTOR 330mH-K-26T	4835 157 57663
	Q831	OSCILLATOR 2SC3777(D).	4835 130 48085
	R831	CARBON RES. 1/4W ±5% 150ohm.	4835 110 57031
	R832	CARBON RES. 1/4W ±5% 10kohm.	4835 110 57026
	R833	CARBON RES. 1/4W ±5% 3.3kohm	4835 110 57046
	R834	CARBON RES. 1/4W ±5% 2kohm	4835 110 57253
	TC831	TRIMMER CAP. 7P.	4835 125 97021

Junction A CBA

		Junction A CBA	
	CN502	CONNECTOR 7P TUC-P07X-B1	JCTU S07 TG001
	CN504	CONNECTOR 5P TUC-P05X-B1	JCTU S05 TG001

Junction B CBA

		Junction B CBA	
	CN604	CONNECTOR 14P TUC-P14X-B1.	JCTU S14 TG001

Chassis Electrical Parts

		Chassis Electrical Parts	
	CL801	WIRE ASSEMBLY 2P UL1061 AWG26 -F-. . .	WX1L 950 0-003
S	DG601	DEGAUSSING COIL 368019-0002.	4835 157 97101
	SP801	SPEAKER S08F02B.	4835 240 17019
S	V501	CRT A63AFW36X.	4835 131 27127
S	L551	DEFLECTION YOKE AT6025/A	4835 150 17161
	V501-1	C.P. MAGNET 6A062704	XM04 000 B8001
	V501-2	RUBBER MAGNET 20X10X1.2.	XM05 000 BV001
	V501-5	WEDGE FT-00110W.	XV10 000 T4001

Cabinet Parts

		Cabinet Parts	
	A1-1	FRONT CABINET PCEC:003502011450. . . .	4835 443 47583
	A1-2	CASSETTE DOOR.	4835 443 67466
	A1-3	CONTROL PLATE.	4835 443 67472
	A1-4	DOOR SPRING.	4835 492 97212
	A1-5	CLOTH(4X7XT0.7).	0000 EM4 04974
	A1-6	FOOT PLATE PCEC:003502011420	4835 462 17009
	A2	REAR CABINET PCEC:003502011419	4835 443 47551
S	A3	RATING LABEL	0000 EM4 04994
	A4	POP LABEL.	0000 EM4 05002
	B1	CRT MOUNTING SCREW PCEC:00103817-1820.	0000 EMN 01296
	B2	DEGAUSS HOLDER PCEC:00645991-0009. . .	0000 EMN 01294
	B3	TENSION SPRING B0080B0:EM40808	4835 492 37025
	B4	SHIELD PLATE T5000UA	0000 EM4 04783
	B5	PCB HOLDER(A) B3810UL.	0000 EM3 01107
	B6	CLOTH 190X15XT0.5.	0000 00T S7623
	B7	POW PCB HOLDER B3810UL	0000 EM4 03992
	B8	CLOTH(10X15XT1.0) B5700UA.	0000 EM4 03762
	L1	SCREW M4X18 PCEC:00103371-1809	0000 EMN 01297
	L2	SCREW TAPPING M4X14.	0000 DBU 14140
	L3	SCREW C-TIGHT M3X4 BIND HEAD+.	0000 GBM C3040
	L4	ASSEMBLED SCREW M3X10.	0000 EM4 01739
	L5	SCREW P-TIGHT 3X12 BIND HEAD+.	0000 GBM P3120
	S1	CARTON T3002UC	0000 EM4 04996
	S2	SET SHEET PCEC:003502019816.	0000 EM4 03887
	S3	STYROFOAM TOP.	0000 EM0 00288
	S4	STYROFOAM BOTTOM	0000 EM0 00289
	S6	SERIAL NO. LABEL(P) B7860UL.	0000 EM4 04103
	TB1	TRAY CHASSIS	0000 EM0 00353
	TB2	TOP SHIELD	0000 EM2 00995
	TB2	TOP SHIELD	000E M20 0995A
	TB3	BOTTOM SHIELD.	0000 EM3 01132
	TB8	FRONT GUIDE MK7.	4835 402 97761
	TB8	FRONT GUIDE MK7.	4835 402 97795
	TB11	CRITICAL PARTSohmARNING LABEL PCEC00350 2015904.	0000 024 LH199
	TB13	RCA HOLDER	000E M40 3474E
	TB18	WASHER(D8)	0000 VM4 08931
	TL1	SCREW P-TIGHT 3X12ohmASHER HEAD+ . . .	0000 GCM P3120
	TL3	SCREW S-TIGHT 3X4 BIND HEAD+	0000 GBM S3040
	TL5	SCREW B-TIGHT M3X25 BIND HEAD+	0000 GBM B3250
	X1	POLYETHYLENE BAG PCEC:645560-0003. . .	0000 EMN 01300
S	X2	OWNER'S MANUAL T3002UC	00IB 813 9E001
	X3	REMOTE CONTROL UNIT.	4835 218 37255
	X4	DRY BATTERY R6P UM3.	4835 138 17012
	X5	SERVICE CENTER MAP H7220UD	0000 VMN 01909
	X6	REGISTRATION CARD PCEC:00EL6192E001. .	0000 EMN 01302
	X7	IMPORTANT SAFEGUARDS PCEC:00EL4496E006	0000 EMN 01233
	X8	REGISTRATION LABEL PCEC:00EL5031E001 .	0000 EMN 01301
	X9	SERVICE CONTRACT CARD:TVCR PCEC:EL6260E 001.	0000 EMN 01338
	X23	CATALOG T5012UN.	0000 EMN 01486

S = Safety Part Be sure to use exact replacement part.